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# OUR COMPLETE ANNUAL CATALOG

1926

Our Motto  
HIGHEST QUALITY



NEW  
DAHLIA FLOWERED  
ZINNIA

## Routledge SEED & FLORAL CO.

WEST SIDE STORE  
145-147-2ND ST.

PORTLAND ~ ORE.

EAST SIDE STORE  
GRAND AV. COR. STARK

## FORWARDING CHARGES

### By Mail or Parcel Post

The following rules apply to the states west of the Rocky Mountains, that is, OREGON, WASHINGTON, CALIFORNIA, IDAHO and MONTANA.

**ALASKA and OTHER STATES.**—Customers ordering from other states must add postage (see rate table, page 1), if wanted by mail, otherwise shipment will be made by express or freight, transportation charges collect.

On Cash Orders we will at prices printed in this catalog send by prepaid parcel post all Seeds in packets, ounces or single pounds.

**Small Plants** (not potted), **Bulbs and Roots** are postpaid, unless otherwise stated.

**SEEDS IN BULK.**—When you order Seeds in quantity above 1 lb., add postage, unless otherwise stated. (See parcel post rates, page 1.)

**TOOLS, SUPPLIES, FOODS, REMEDIES, ETC.**—On this class of goods we have marked the parcel post weight, including packing (PP.

Wgt.), so that you can add postage to catalog prices if you want them by parcel post. PP. Wgt. does not mean postpaid.

**HARDY FLOWERING SHRUBS, SMALL FRUIT, BERRY and ORNAMENTAL SHRUBS and PLANTS, CLIMBING VINES and 2-YEAR-OLD ROSE BUSHES** can be sent by parcel post if necessary, but be sure you send extra money for packing and postage. Postage and packing charges will be specified on the different pages unless the prices are postpaid.

**NOT MAILABLE.**—Plants in pots, large branching shrubs, Evergreens of all kinds, that must be balled in earth. Fruit and Shade Trees cannot be sent by Parcel Post. Neither can Insecticides that are poisonous, flower pots, jardinières, bird cages, or liquids in larger than 1-pint cans.

### By Freight or Express

We DO NOT at catalog prices pay freight or express charges on any stock we offer, unless so stated; therefore, take note of the following paragraphs:

**ORDER EARLY.**—We aim to execute all orders as soon as received, but during the rush season, March and April, short delays may occur, which, however, can be overcome by our patrons anticipating their wants and ordering and taking delivery of their requirements early.

**CORRESPONDENCE.**—We try to give prompt attention to all proper letters of inquiry, etc., but ask, as a favor, that all questions be stated clearly and briefly, and not on order sheets.

**OUR TERMS ARE STRICTLY CASH—NO C. O. D. SHIPMENTS.**—The proper remittance must in all cases accompany the order. Send money by bank draft, postoffice or express money order. Personal checks if O. K., also postage stamps for small amounts. We will not be responsible for stamps or coin sent in unregistered letters.

**LARGE ORDERS.**—Any gardener, institution or individual wishing seeds, plants, trees or supplies in large quantities is requested to mail a list of what is wanted, stating grade, size or amount, and we will promptly return it with our very lowest prices. A letter of inquiry may save you dollars if you want to buy in QUANTITY, or some PARTICULAR STOCKS.

**PREPAY STATIONS.**—When you send in orders to go by freight or express be sure you send extra money to pay the transportation charges if your station is a prepay point, which is always the case where there is no regular agent. If you send more than enough, we will refund it as soon as we get the prepay bill. If not enough, we will write for the balance and expect you to remit promptly.

**SEASONABLE STOCKS.**—Many customers order plants and bulbs out of season—that is, before we get stocks in or perhaps too late in the spring. Rather than delay the balance of your order, we will send what is seasonable at once and defer the balance until proper planting season unless otherwise instructed.

**REPORTS—GOOD OR BAD.**—Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

**MISTAKES.**—These will happen occasionally, in spite of all care. Write us at once, with copy of original order, if possible, and mistakes will be promptly rectified.

**NOTE.**—We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.: We give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, nursery stock, roots or plants sent out and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.

ROUTLEDGE SEED & FLORAL CO.

# OUR 1926 COMPLETE ANNUAL CATALOG

## A Truthful, Reliable Western Catalog for Western Buyers

Portland, Ore., January 1, 1926.

### Greetings to Our Customers and Friends:

On this New Year's day we extend to all our customers and friends the "season's greetings." We wish you a very happy, prosperous and successful new year.

We have re-written and revised this catalog and made it right up to date. Some stocks have been discarded and others of increased value added.

We have made prices very low although increased costs and some short crops really do not warrant it, but we'll hope to gain by increased business.

Remember our motto is "Quality First," then prices as low as we can make them. We are catering to the planters, growers and poultry keepers that appreciate "Highest Quality" and good service. We are in close touch with the world's best markets and know that our "prices" and "quality" are right. Thousands of our customers testify to this. You will find a few reports scattered throughout this catalog. These unsolicited reports are encouraging and our rapidly increasing business leads us to believe we are supplying satisfactory stocks and giving efficient service. Read about our new store, page 4.

We certainly appreciate the support given us and thank you sincerely for past orders, and hope that we will have the pleasure of serving you again this year.

### Routledge Seed & Floral Co.

NEW EAST SIDE STORE AND WAREHOUSE, Grand Avenue, corner East Stark.

MAIN OFFICE, MAIL ORDER, RECEIVING DEPT., Grand Avenue, corner Stark.

WEST SIDE STORE, 145-147 Second Street between Morrison and Alder.

### U. S. PARCEL POST RATES AND REGULATIONS

BY PARCEL POST.—We do a direct mail order business with our customers. This enables us to give you direct and personal attention, quick service and lower prices.

### Size and Weight of Parcel Post Packages

Packages cannot be sent that measure over 84 inches in length and girth combined. The weight limit for the local, first, second and third zones is 70 pounds. The weight limit for the third to eighth zones is 50 pounds, except as follows:

ALASKA, MEXICO, CUBA, HAWAII, PANAMA and the PHILIPPINES take the 8th zone rate with a WEIGHT LIMIT OF 20 LBS. We do not pay postage in 7th and 8th zones.

CANADA takes the EIGHTH zone rate with a WEIGHT LIMIT OF 4 LBS. 6 OZS.

### Zones

### Postage Rates

1926 INCREASED POSTAL RATE IS 2C EXTRA on every package; in other words, 2C ADDITIONAL on the FIRST pound.

First and second zone.....	50 to 150 miles, first lb.	5c; each additional lb. or fraction	1c
Third zone .....	150 to 300 miles, first lb.	6c; each additional lb. or fraction	2c
Fourth zone .....	300 to 600 miles, first lb.	7c; each additional lb. or fraction	4c
Fifth zone .....	600 to 1,000 miles, first lb.	8c; each additional lb. or fraction	6c
Sixth zone .....	1,000 to 1,400 miles, first lb.	9c; each additional lb. or fraction	8c
Seventh zone .....	1,400 to 1,800 miles, first lb.	11c; each additional lb. or fraction	10c
Eighth zone .....	all over 1,800 miles, first lb.	12c; each additional lb. or fraction	12c

ALL MISCELLANEOUS MERCHANDISE offered in this catalog THAT CAN BE SENT BY PARCEL POST is marked P. P. and the PACKED WEIGHT is given so that extra money for POSTAGE can be remitted according to the table above, OTHERWISE we will send by freight or express. Read copy inside front cover.

## INDEX TO CONTENTS

Note.—B—Bulbs. P—Plants. R—Roots. F—Flowers

A	Page	A	Page	A	Page	B	Page
Abelia .....	105	Anfo .....	120-121	Asparagus...F 51,		Balm .....	37
Acuba .....	105	Antrol .....	122	S 5 & P 73, R 112		Balsam .....	51
Acroclinum .....	49	Ant Powder .....	122	Ash .....	106	Bamboo Extension	
Ageratum ...49, P	77	Antirrhinum .....		Asparagus Knife... 114		Rods .....	129
Agrostemma .....	49	.....51, P 77-84		Asters.....50, P 77-78		Barberry .....	102-105
Alfalfa .....	47	Apples .....	107	Astimesia .....	P 78	Barker Garden	
Almond .....	106	Apricots .....	108	Aubrieta .....	52	Tool .....	114
Aloysia .....	F 49	Aquariums .....	159	Azalia .....	102-105	Barley .....	43
Alyssum...49, P 77-78		Aquilegia...F 52, P 78				Basil .....	37
Amaranthus .....	51	Arabis .....	F 51, P 78			Bachelor Button	
Amaryllis .....	B 84	Arctotes .....	F 49			(see Centaurea) F 54	
Anemone...F 51, P	78	Arsenate of Lead. 119	P	Baby Breath (See		Beans.....5 to 9, F 52	
Anchusa .....	P 78	Arborvitae .....	105	Gypsophila) F 59,		Bed Bug Killer...122	
Ampelopsis .....	101	Armeria .....	P 78	Balloon Vine .....	P 79	Beet .....	10, 11
Anise .....	37	Artichoke ..S 5, R 42			52	Beef Scraps .....	141

## INDEX TO CONTENTS — Continued

Note.—B—Bulbs. P—Plants. R—Roots. F—Flowers

[illegible]

# INDEX TO CONTENTS — Continued

Note.—B—Bulbs. P—Plants. R—Roots. F—Flowers

L	Page	P	Page	R	Page	S	Page
Lemon Lily (see Hemerocallis) . . .	22	Pampas Grass (see Glycerium) . . .	59	Rock Cress (see Arabis) . . .	F 51, P 78	Sulphate of Potash . . .	38
Leek . . . . .	22	Pansy . . . . .	66, P 77	Rodent Gas Balls . . .	121	Summer Cypress (see Kochia) . . .	60
Lettuce . . . . .	20, 21	Parsley . . . . .	30	Rogers' Chemical Co. Preparations . . .	122-123	Summer Savory . . .	37
Lice Powder and Liquids . . . . .	142	Parrots, Cages, Foods, Etc. . . . .	143 to 151	Roofing Paper . . .	Write	Superphosphate . . .	38
Lilac . . . . .	103	Parsnip . . . . .	30	Rose Stakes . . . . .	118	Sweet Peas . . . . .	60, 70 to 73
Lillies . . . . .	85-86-87	Peaches . . . . .	108	Roses . . . . .	95 to 101	Sweet Potato Plants 37	
Limestone . . . . .	39	Pears . . . . .	108	Rosemary . . . . .	37	Sweet Sultan (see Centaurea) . . . . .	54
Lime, Garden . . . . .	120-121	Peas . . . . .	27, 28, 29, 43	Rubber Plant . . . .	73	Sweet William . . . .	F 67, P 81
Lime and Sulphur . .	119	Peanuts . . . . .	31	Rutabaga . . . . .	89	Swiss Chard (see Beets) . . . . .	10
Linum . . . . .	60	Pedigree Blanks . .	151	Rudbeckia . . . . .	F 66, P 87	Syringa—Philadelphus . . . . .	104
Lily of the Valley . .	82	Pelargonium (see Lady Washington-ton) . . . . .	77	Rye . . . . .	46		
Loganberries . . . .	110	Pentstemon . . . . .	64, P 80				
Lonicera . . . . .	104	Pepper . . . . .	30, P 37	S			
Lobelia . . . . .	F 61, P 77	Petunia . . . . .	F 65, P 76-77	Sargent's Remedies .	157		
Lupinus . . . . .	61	Pheasant Eggs . . .	141	Sage . . . . .	37	T	
Lychnis . . . . .	61	Philadelphus . . . .	104	Satin Flower—		Tankage . . . . .	38
M		Pie Plant S 31, Roots . . . . .	112	Saffron . . . . .	37	Thalictrum . . . . .	68, P 81
Magotite . . . . .	120	Pin-ol, Pine Oil . . .	122	Salpiglossis . . . . .	F 67, P 77	Thermometers . . . .	138
Maderia Vine . . . .	76	Pink (see Dianthus) .		Salsify . . . . .	32	Thumbergia . . . . .	68
Mahonia . . . . .	105	Plants . . . . .	56, P 84	Salvia . . . . .	67, P 77	Thyme . . . . .	37
Majoram . . . . .	37	Planet Junior . . . .	113	Saponaria . . . . .	68	Tobacco—Dust . . . .	120
Marigold . . . . .	62, P 77	Plant Tables . . . . .	161	Savory . . . . .	37	Seed . . . . .	35
Marvel of Peru . . . .	63	Plant Stakes . . . . .	118	Saxifragas . . . . .	P 81	Tomato . . . . .	35, P 37
Mangels . . . . .	11	Plums . . . . .	108	Scale Destroyer . . . .	119	Tradescantia . . . . .	76
Maples . . . . .	106	Polygonum . . . . .	101	Scabiosa . . . . .	68, P 81	Traps . . . . .	118
Maw . . . . .	148	Pops . . . . .	152	Schizanthus . . . . .	F 67	Trap Nests . . . . .	133
Mesembryanthemum .	62, P 76	Poppy . . . . .	F 65-66, P 86	Sea Shells, Etc. . . .	160	Trowels . . . . .	116
Michaelmas Daisy (see Hardy As- ters) . . . . .	50, P 78	See Eschscholtzia . .	58	Seeders . . . . .	113-115	Tree Labels . . . . .	118
Mignonette . . . . .	62	Poplar . . . . .	106	Semesan . . . . .	40	Tree Tanglefoot . . . .	120
Milk Bone . . . . .	154	Portulaca . . . . .	64	Shamrock . . . . .	68	Tree Pruners . . . . .	114-116
Millet . . . . .	46, 148	Potatoes . . . . .	26	Sheets Daisy . . . . .	56, P 81	Tritoma . . . . .	F 68, P 81
Mimulus . . . . .	62	Potato Planters . . . .	115	Shears . . . . .	114-116	Tube Roses . . . . .	B 84
Mite Liquid . . . . .	142-150	Pots, Pot Labels . . .	118	Sheep Guano . . . . .	39	Tufted Pansies (see Violas) . . . . .	63
Mole Traps . . . . .	118	Poultry and Eggs . .	Write	Sheep Dip . . . . .	123	Turnip . . . . .	36
Montbretias . . . . .	B 83	Poultry Remedies, Foods, Supplies, . . . . .	130 to 141	Seed Tables . . . . .	161		
Moon Flower (see Ipomoea) . . . . .	63	Powder Guns, Etc. . .	119-128	Shipping Coops . . . .	134		
Morning Glory . . . .	63	Privet . . . . .	105	Sickles . . . . .	114		
Mountain Ash . . . .	106	Primrose—Primula . .	F 64, P 80	Silver Lace Vine (see Polygonum) . . . .	101		
Mouse Traps . . . . .	118	Puritol . . . . .	120	Simplex Weeders . . .	116	V	
Muskemelon . . . . .	23	Pumpkin . . . . .	31	Slug Destroyer . . . .	122	Valeriana . . . . .	68, P 81
Muriate Potash . . . .	39	Prunes . . . . .	108	Smilax . . . . .	76	Vegetable Plants and Roots . . . . .	37, 112
Muskiplant (see Mimulus) . . . . .	62	Prunus . . . . .	104	Snarol . . . . .	122	Verbena . . . . .	F 73, P 77
Mushroom Spawn . . .	22	Pruning Compound . .	121	Snadragon . . . . .	P 84	Vetches . . . . .	46
Mustard . . . . .	22	Pruning Tools . . . .	114-117	Also see Antirrhinum . . . . .	51, F 78	Vinca . . . . .	P 76-77-81
Myosotis . . . . .	62, P 85	Puppies, Foods and Supplies . . . . .	152 to 158	Snowball . . . . .	103	Vitrol . . . . .	121
Myrtle (see Vinca) . .	81	Pyrethrum . . . . .	F 64, P 80	Soap . . . . .	103	Veronica . . . . .	P 81, E 104
N		Pyranthata . . . . .	105	Spira . . . . .	104	Viburnum (see Snowball) . . . . .	103
Nasturtium . . . . .	63-64			Spratt's Foods, Etc. . . . .	155	Viols . . . . .	F 68, P 81
Nepeta . . . . .	P 80			Spray Pumps . . . . .	126-127-128	Virginia Creeper (see Ampelopsis) . . . .	101
Nemesia . . . . .	63			Sprays . . . . .	121-122-123		
Nests—Nest Egg . . .	134-135			Speltz . . . . .	46	W	
Niagara Dust . . . . .	121	Q		Speedwell (see Veronica) . . . . .	81	Wallflower . . . . .	F 73, P 81
Nico-fume . . . . .	120	Q-W Remedies . . . .	156	Spinach . . . . .	34	Walnuts . . . . .	106
Nicotine Spray . . . .	120	Quince . . . . .	103-109	Sponaria . . . . .	67, P 81	Water-Glass . . . . .	135
Nicotiana . . . . .	63	R		Sprinklers . . . . .	129	Water Valves . . . . .	140
Nigella . . . . .	63	Rabbits . . . . .	Write	Squash . . . . .	32-33	Watermelon . . . . .	24
Nut Trees . . . . .	106	Radish . . . . .	31, 32	Squirrel Poison . . . .	119-121	Wax-Floor . . . . .	122
Nitrate of Soda . . . .	38	Raffia . . . . .	118	Static . . . . .	68	Weeders . . . . .	114 to 117
Nozzles, Etc. . . . .	126	Rape . . . . .	46	Stocks . . . . .	F 68, P 77	Weed Killer . . . . .	120
O		Rat Traps . . . . .	118	Stokesia . . . . .	P 81	Weigelia . . . . .	104
Oat Sprouters . . . . .	134	Rat-Nip . . . . .	121	St. John's Worth (see Hypericum) . . . . .	P 80	Wheat . . . . .	47
Oats . . . . .	45	Rakes . . . . .	114	Stim-u-plant . . . . .	38	Wild Cucumber (see Echinocystis) . . . .	58
Oculum . . . . .	142	Raspberries . . . . .	110	Strawberries . . . . .	111	Wild Flower Garden 73	
Onion Sets . . . . .	25	Rax—Rat Poison . . .	121	Strawflower (see Helichrysum) . . . .	59	Wicks, Etc. . . . .	138
Onion . . . . .	24, 25	Rebis—Fl. Currant . .	102	Sudan Grass . . . . .	42	Wire Baskets . . . . .	116
Okra . . . . .	25	Red Hot Poker (see Tritoma) . . . . .	F 68, P 81	Sulphate of Am- monia . . . . .	39	Wire Nests . . . . .	134
Oyster Shells . . . . .	141	Reference Tables . . .		Sulphur . . . . .	121	Wistaria . . . . .	101
Oregon Grape (see Mahonia) . . . . .	105	Inside Back Cover		Sunflower . . . . .	S 44, 148	Wooden Labels . . . .	118
P		Retinospora . . . . .	105	Also Helianthus . . . .		Wandering Jew . . . .	76
Paeonies . . . . .	82	Rhododendrons . . . .	105	Sugar Cane . . . . .	46	Wormwood . . . . .	37
Palms, Etc. . . . .	73	Rhubarb . . . . .	S 31, R 112				
		Ricinus . . . . .	F 67				
		Roach Powder . . . .	122-123				

## OUR FALL CATALOG READY ABOUT SEPTEMBER 1ST

Our Fall Catalog of Flowering Bulbs is issued about September 1 each season. If you would like a copy, make your request at any time and we will put your name on the mailing list for catalog in season.

**OUR MOTTO: Highest Quality — Low Prices — Service — Satisfaction**



On account of our increasing business and the congested traffic conditions on the West Side we now operate another complete Seed Store in central East Portland. It's the most up-to-date Seed Store west of Chicago.

With our large West Side Store at 145-147 Second Street, and our East Side Store, we now have two of the largest, most modern and up-to-date Seed Stores in the Northwest, and are in a position to serve buyers in our line to better advantage than any other house in the city.

Everything is new and up-to-date, pleasant and convenient so as to enable us to

give you quick and satisfactory service.

Our East Side as well as our West Side Store has a large and complete stock of everything we catalog. Note.—A complete line of Paint, Varnish, Etc., added to East Side Store stocks.

We now have our **WAREHOUSE** and **MAIN OFFICE** in connection with our new **EAST SIDE STORE**.

We do practically all our Shipping and Receiving, City Delivery and the filling of Mail Orders from the East Side, for we have installed new and improved equipment for quick service and have experienced and capable men in charge of the different departments.

On account of ample display room, we will be able to show seasonable stocks in larger quantities.

**CUT FLOWER DEPARTMENT.**—We have a "Cut Flower Department" at the East Side Store only, and as we are out of the West Side "high rent" district our prices are much less than West Side Florists must charge. We solicit your orders for Cut Flowers, Bouquets, Sprays and Designs for city or out-of-town customers.



**STORE, WAREHOUSE AND MAIN OFFICE, CORNER GRAND AVENUE AND EAST STARK STS.**

**On the East Side you will find plenty of parking space for your Auto, with no time limit.**

## ARTICHOKE

**LARGE GREEN GLOBE.**—The well-known French vegetable; the undeveloped flower heads, when properly prepared, make a most delicious dish. Pkt. 15c; oz. \$1.25

**White Jerusalem.**—Tubers grown for stock. See page 42.

## ASPARAGUS

### Giant Washington Rustproof

The strain we offer has been produced from seed of the most uniform rust-resistant, highest yielding, largest in size and quickest-growing plants in the original selections by the U. S. Department of Agriculture.

Pkt. 15c; oz. 45c; 4 oz. \$1.25; lb. \$4.00

## PALMETTO

Early, prolific; large, thick, dark-green shoots of delicious quality. The most popular commercial variety.

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. 90c

**COLUMBIAN MAMMOTH WHITE.**—Gives immense yield of large, clear, white shoots; very tender and of excellent flavor.

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.00

## GIANT ARGENTEUIL

Very early and stalks of mammoth size. Excellent quality.

Pkt. 10c; oz. 15c; 4 oz. 45c; lb. \$1.00

**ASPARAGUS ROOTS.**—You can save two or three years' time by buying Asparagus Roots. For prices, see Vegetable Roots, page 112.

## GARDEN BEANS

### DWARF OR BUSH GREEN PODDED KINDS

~~~~~  
PACKET, ½-LB. AND 10-LB.  
PRICES ARE PREPAID. WRITE  
FOR LOW QUANTITY PRICES.  
~~~~~

### STRINGLESS GREEN POD

This famous Bean is unequalled as a first-early; also for main crop.

It combines unusual hardness, extreme earliness, and wonderful productiveness with handsome appearance and finest quality of pods.

By repeated plantings pods may be had in constant succession from spring until cut off by heavy frosts in the fall. The pods are of the finest quality, of a rich green, very round and slightly curved, medium long, solid, meaty and plump. The pods are tender, brittle, and of finest flavor, always entirely stringless even when fully grown.

Large pkt. 10c; ½ lb. 20c; lb. 35c;  
10 lbs. \$2.75.

**EARLY REFUGEE.**—An old and popular variety. Pkt. 10c; lb. 30c

### ROUTLEDGE STRINGLESS REFUGEE

An improved stringless strain. Very hardy and extremely productive. Pods round and straight, tender, brittle, absolutely stringless and of finest quality; medium early. Great improvement over Refugee or 1,000 to 1. Excellent home or market variety as a "snap." Unsurpassed for picking or canning. Second early.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75



### DWARF HORTICULTURAL

The best dwarf sort for green shell beans for the home garden and market. Plants very productive, pods broad and thick, with splashes of bright red on a yellowish ground. They become fit as green shelled beans early; are large, easily shelled and are about equal to the Lima in quality. Our stock is true, all dwarf and unsurpassed.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75

Market and Truck Gardeners should write us for special prices and state quality and kinds wanted. We'll save you money and you will get "Highest Quality" Seeds.

## BEANS — Continued

### DWARF OR BUSH — YELLOW PODDED

All Bean Prices Postpaid. Special prices on larger quantity

#### WARDWELL'S KIDNEY WAX

A popular and well-known variety; pods long, golden-yellow, brittle and stringless; seed white, with dark markings about the eye. Market gardeners find this bean one of the most profitable.

Large pkt. 10c; ½ lb. 15c; lb. 30c; 10 lbs. \$2.50

#### SURECROP STRINGLESS WAX

A prolific cropper, superlative quality, handsome yellow pods 6 to 7 inches in length, fleshy but almost round, very meaty and sweet, and perfectly stringless. Plant is free branching, but perfectly sturdy and upright. Valuable for its productiveness and disease-resisting qualities.

Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75



New Brittle Wax

Hamilton, Wash.

Routledge Seed & Floral Co.

Gentlemen: I planted the Routledge Giant Beans you sent me last year and will say they were the best Spring Beans I ever raised and I have raised garden for a good many years. They are tender, stringless and the best flavored Beans I ever ate.

I have used your Seeds for two years and am well pleased with the results as you will see by the accompanying order.

Yours very truly,

J. P. RICHARDS.

#### STRINGLESS WHITE WAX

An exceptionally fine, hardy, white-seeded, flat-podded wax bean of really choice quality, and most attractive appearance when cooked. The pods remain tender longer than those of any other variety, and the plants continue to bear for a long period. The pods are straight, of a bright lemon-yellow, brittle, meaty, and entirely stringless at all stages of growth. The seeds, being large and pure white, are most desirable as shell beans for both summer and winter use.

Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

#### NEW BRITTLE WAX

Extremely early and of such superb quality it might almost be called "Best of All." The plants are of vigorous growth with light foliage, and appear completely loaded with handsome pods, which are nearly straight. Long, round, fleshy, tender, "brittle" and entirely stringless at all stages of growth. The pods are unexcelled as snap beans. Seed almost white, showing only a small dark dot at the eye.

Large pkt. 10c; ½ lb. 20c; lb. 40c; 10 lbs. \$3.00

#### PENCIL POD BLACK WAX

Early and Stringless

The dwarf, bushy plants produce in profusion; beautiful, long, straight yellow pods that are well rounded, deeply "saddle backed," very meaty and solid. Rich and mild in flavor and entirely stringless. Improvement over Prolific Black Wax.

Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75

#### DAVIS KIDNEY WAX

Hardy and productive. The pods are long, white, straight, good lookers, good shippers, clear, waxy white, straight, good lookers, good shippers, but only fair quality unless used young. Seeds white and make good dry beans. Brittle Wax is of higher quality.

Large pkt. 10c; ½ lb. 15c; lb. 30c; 10 lbs. \$2.50

#### IMPROVED GOLDEN WAX

Medium early, heavy cropper, vine vigorous. May be sown early or late with the assurance of a good crop. Pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exceptionally rich, buttery flavor. Excellent for home or market garden.

Large pkt. 10c; ½ lb. 20c; lb. 40c; 10 lbs. \$3.00

#### USE BUG DEATH APHIS

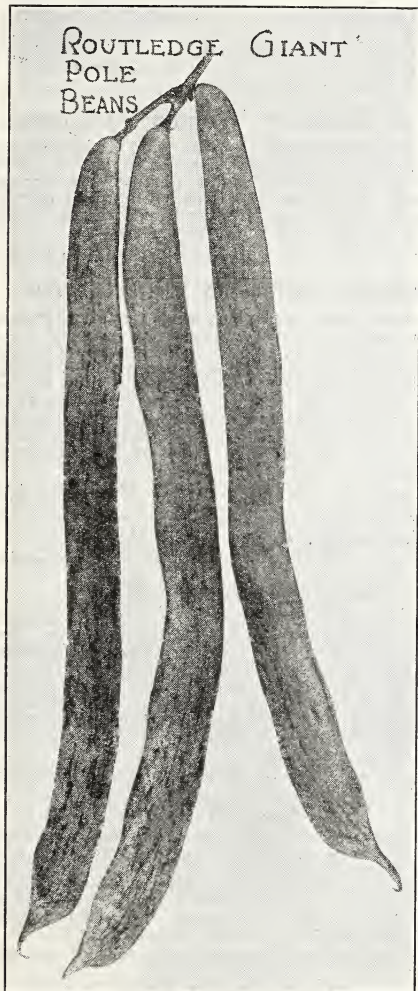
On bean plants to kill aphids and beetles. Also revives and aids production. Page 119.

## Routledge Giant Pole Bean

### Of Superb Quality — Entirely Stringless

If you have not grown this Bean, by all means do so this season. It is a quick grower, quite early and produces the **MOST WONDERFUL LONG, PLUMP, MEATY PODS** that are **TENDER, BRITTLE** and of **DELICIOUS MILD FLAVOR** when cooked.

This Bean of unknown origin is called by some Dickenson's Yount, Mother's Favorite, Oregon Giant, etc., and has been grown in a small way locally by those who have been fortunate enough to secure a few seeds.



Above pods about one-third natural size when fully grown

We have improved the quality by careful selection and offer it as **ROUTLEDGE GIANT**. It produces an **ENORMOUS LOT** of **GIANT PODS** from early in the season until frost.

We have been trying for years to grow enough seed to supply all our customers. Last year we had enough—this year we are very short. Locally they keep green so late that the fall rains and frost spoil the seed.

The mammoth 10 to 12-inch pods of **ROUTLEDGE GIANT** picked in their prime are **ENTIRELY STRINGLESS**. The **QUALITY IS SUPERB** for canning or used fresh as a stringless "snap" bean. As a **SALAD BEAN** whole or sliced, and served with dressing it is **DELICIOUS**. The pale green pods are lightly penciled with carmine which disappears when cooked. The illustration on this page is from a photograph and the beans are about one-third natural size. Order early. Our stock is limited again this year.

Large pkt. 15c; ½ lb. 30c; lb. 55c

**NOTE.**—Very short seed crop this year; order early.

### A Few Convincing Reports

Elma, Wash., Feb. 17, 1925.

Routledge Seed Co.

Dear Sirs: I am enclosing a Money Order for Seeds. Last year I sent for your Routledge Giant Pole Bean and at the County Fair I received first prize on them canned whole and second prize on them picked from the garden.

I also exhibited the Howling Mob Sweet Corn canned on the cob and got first prize. The Corn is fine and the Beans of exceptionally fine flavor, so I am sending for an extra amount so I can give some seeds to friends.

R. STEVENS.

Baker, Oregon, April 12, 1925.

Routledge Seed & Floral Co.

Dear Sirs: Please send me a Packet of your Routledge Giant Pole Bean.

I planted them last year. They were the best bean we ever ate. Please send at once and oblige.

MRS. FRANK CREIGHBAUM.

Baker, Oregon, Feb. 20, 1925.

Routledge Seed Co.

Gentlemen: I have used your Wonderful Pole Beans for several years and think they are the most wonderful Bean grown. My husband seldom eats green beans, but thinks yours are good enough to eat.

MRS. HARRY BENNETT.

Newberg, Oregon, Feb. 20, 1925.

Routledge Seed Co.

Dear Sirs: I received a sample of your Giant Pole Beans last spring and they are wonderful. Had plenty to can for winter just from the sample.

Sincerely,

A. J. BISHOP.

Coquille, Oregon, Jan. 1, 1925.

Routledge Seed Co.

Dear Sirs: Reporting as per your request with a trial package of your Giant Pole Bean, we like them so well that we did not save any seed. Now if you cannot sell any seed to us we will be up against it.

Very truly yours,

THOS. H. HANLY.

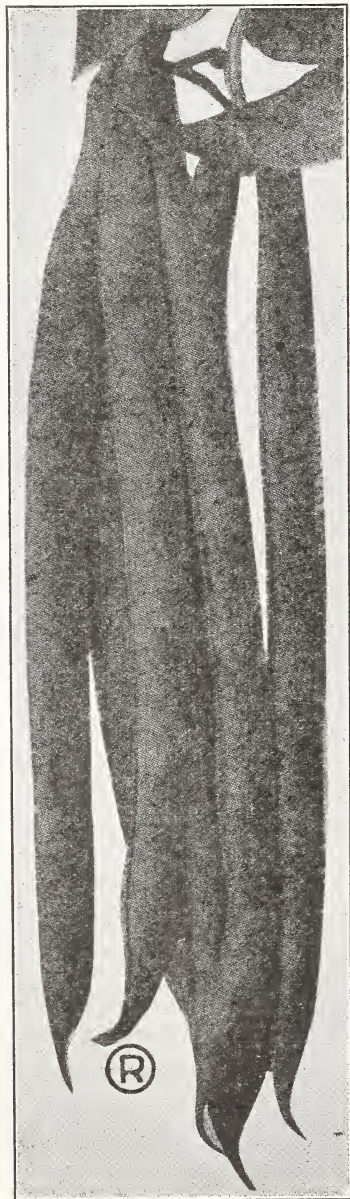
FOR THE HOME GARDEN WHERE SPACE IS LIMITED POLE BEANS ARE MOST DESIRABLE AS THEY ARE MORE PRODUCTIVE AND REQUIRE LESS GROUND SPACE.

## CLIMBING POLE BEANS — Continued

Although pole beans require a little more care and labor, they are, when properly grown, usually of longer bearing period than the dwarf sorts and are much more productive.

Plant 6 to 8 beans in hills 3 feet apart. Use poles or heavy twine from overhead wires (hop-yard style).

All Bean Prices Postpaid. **Special**  
prices in large quantity. Write.



Routledge Perfection

Sweet, Idaho, June 22, 1925.

Routledge Seed & Floral Co.

Dear Sirs: We ordered all of our garden seed from you this Spring, and have had lovely crops of everything we planted. We hope every one that ordered seed from you are as well pleased as we were.

Very truly yours,

C. E. COOPER.

### Improved Kentucky Wonder (Asparagus)

A very popular variety; often sold as asparagus. More extensively planted than any other. Pods green, very long, round and perfectly stringless. Enormously productive and early, remaining in "fit" condition a long time. Unsurpassed for the table, being very tender and of delicious flavor.

Large pkt. 10c; ½ lb. 20c; lb. 30c; 10 lbs. \$2.75

### Routledge Perfection White Seeded

It produces large, quick growing vines which soon cover the poles, bearing a very heavy crop of handsome green pods 8 inches in length which are very meaty, stringless and of delicious flavor. The vines produce their pods very early and continue to bear immense quantities of snap pods throughout the season. Excellent for canning. The dry beans being white and of good size when allowed to ripen on the vines, make it an excellent soup or bake bean for winter use. (See illustration.)

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

### Routledge Giant (see Page 7)

### Kentucky Wonder Wax

The best wax podded pole bean. Very similar to the green podded Kentucky Wonder but the pods are a little broader. They are very fleshy and stringless as snaps and are of excellent quality. The pods are very long, handsome light yellow. Seed medium sized, oval, flattened, very irregular, usually somewhat shriveled, dark brown. Its earliness and hardiness commend this as a pole bean well adapted for Northwestern latitudes.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75

### Lazy Wife

One of the best of the late green podded pole beans for snap or green shell use. The medium green pods, borne in large clusters, are five to six inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor which is retained until they are nearly ripe. The seed is white, medium size, slightly oval or nearly round.

Large pkt. 10c; ½ lb. 20c; lb. 30c; 10 lbs. \$2.50

### Horticultural Pole

Speckled Cranberry or Wren's Egg.—Vines vigorous, quite early. Pods short, broad, green streaked with bright red. Beans are round, splashed and spotted with red. Of fine quality, either as a green shelled bean or dry for winter use.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$2.75

### Scarlet Runner

Grown extensively for ornamental purposes, as flowers are a most brilliant scarlet and borne profusely; beans are broad and flat, and of fine flavor when cooked, same as Lima beans.

Large pkt. 15c; ½ lb. 20c; lb. 35c

Pkt., ½ lb., 1 lb. and 10 lb. prices are postpaid. Special quantity prices on request. Inoculate Bean Seeds with Humogerm or treat with "Semasan". See page 40.

## BEANS — Continued



Open Pod of Lima Beans

**INOCULATE THIS  
SEED WITH  
HUMOGERM**

See page 40

### Oregon Pole Lima

Excellent for the Northwest. Strong, vigorous grower. In July the blooms come in long panicles from the top shoots and the large, broad pods are freely produced until frost. The large, plump, white beans are of delicious quality, green, shelled or dry. They are in "prime condition" when the pods begin to turn yellow. Oregon grown, acclimated seed.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

### DWARF OR BRUSH LIMA

**BURPEE'S IMPROVED BUSH LIMA.**—Best of the Bush Lima type. Very large, broad pods, excellent flavored beans, borne on large, vigorous plants. Extremely prolific. Pods contain from four to six very large beans of greenish white color.

Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

### Routledge Early Prize Pole Lima

By careful selection we now offer a strain that is early enough to actually mature a full crop of dry beans in the early fall. The vines are vigorous and remarkably productive. The green shell beans are large, very tender and of finest quality. It has the rich, buttery flavor, always desired but seldom found.

Large pkt. 20c; ½ lb. 30c; lb. 50c

Newberg, Ore.,

Routledge Seed & Floral Co.

You sent me a sample of your Giant Pole Beans with my order last spring. They are wonderful. Just from the sample we had all we could use and canned 18 quarts. Keep thinking I won't use any more but when I go to the garden and see those great long tender beans, they are too great a temptation.

Many thanks for them.

A. L. BISHOP.

## Commercial or Dry Table Beans

The stocks we offer are of known varieties, acclimated and hand-picked and grown especially for seed—by far the safest, best and most profitable in the end.

### Improved Tree Bean

Early, Wonderful, Productive

On account of its snowy whiteness and uniformly small size, it commands the highest price in all markets. The plants grow upright, have less foliage than most varieties and hold the pods well up from the ground, thus keeping the beans from getting dirty and discolored. The pods are very freely produced, are long and well filled. The dry bean is small, white, plump and almost round. Cooking and eating qualities are unsurpassed.

Prices: Large pkt. 10c; lb. 25c; 10 lbs. \$2.00. Write for quantity price.

**LADY WASHINGTON.**—A great improvement over the old "White Navy," as it is much earlier; especially adapted to Western conditions.

Large pkt. 10c; lb. 25c; 10 lbs. \$2.00

### Castor Bean

Used for medicinal purposes and by some claimed to keep moles away. Ornamental foliage, 4 ft. Large pkt. 20c; lb. \$1.00

To insure the greatest success

**INOCULATE THIS  
SEED WITH  
HUMOGERM**

See page 40

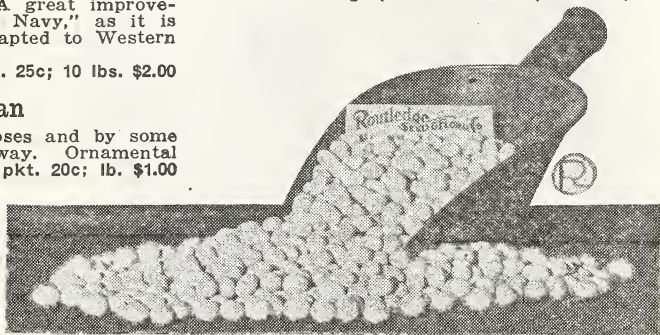
**BROWN SWEDISH.**—Dry beans, rather small, round, oblong, golden brown with a white eye. As a cooking or baking bean the quality is very superior, having a richness and flavor all its own. It is unusually productive, matures early. Pkt. 10c; lb. 25c; 10 lbs. \$2.25

**RED MEXICAN.**—An excellent dry bean for winter use. Used extensively for baking and Spanish dishes.

Large pkt. 10c; lb. 25c; 10 lbs. \$2.00

**BROAD WINDSOR.**—An English variety; large, broad, flat beans of delicious flavor; used as a shell bean. Good for hog pasture;

Large pkt. 10c; lb. 30c; 10 lbs. \$2.50



Improved Tree Beans

All Bean Prices Postpaid. Write for low prices by the hundred lbs. For seed tables, quantity per acre, see inside back cover.

## TABLE BEETS

### Routledge Favorite

The best of all for home gardens. A re-selected, improved strain of Crimson Globe. Perfectly globe shaped, with a single tap root, and of the richest color of any of the beets. It is medium early, tops are small and dark in color, a splendid keeper, remaining in prime condition a long time. The flesh is exceedingly tender, fine and sweet and is unequalled for table use. Home and market gardeners will find our Favorite very profitable, attractive and of highest quality.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

### Crosby's Egyptian

Popular variety for home gardens and market. Extremely early and reaches table size quickly. Tops dark green, beets very smooth, fine color, globe shape, slightly flattened. Flesh rich red, fine grained, sweet and tender. This variety will please you.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. .90c

### Detroit Dark Red

Excellent variety, nearly globular, dark skin and rich red flesh, maturing early and keeping crisp and tender for a long time. Very popular with market gardeners and canneries.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00



### Routledge Favorite

**HALF LONG BLOOD.**—Quite popular. Excellent in shape and quality; yields well.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

## SWISS CHARD, or Spinach Beet

**GIANT LUCULLUS.**—The leaves of this vegetable are used for "greens" and prepared in the same manner as Spinach; sometimes, however, the mid-rib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which leaves may be cut all summer. New shoots continually spring up and make a fast growth, while those plants which are allowed to grow on without any cutting will make large curly leaves, with thick, light-colored mid-ribs, which are delicious when stripped, cooked and served like asparagus. You should not fail to plant at least one long row in your garden.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25

## BRUSSELS SPROUTS

The plants, which are very hardy, grow two or three feet high, and produce, from the sides of the stalks, numerous little sprouts, which resemble very small cabbages one or two inches in diameter. The leaves should be broken down in the fall, to give the little heads more room to grow. Grow and set out same as cabbage or kale, 2½ to 3 feet apart.

**PERFECTION OR DALKEITH.**—Plants are of dwarf growth and stems are thickly set with large, solid sprouts. This variety is very hardy and even during quite severe weather the plants maintain their sprouts; in fact, the flavor and quality is much improved by frost.

Pkt. 10c; oz. 30c; 4 oz. 85c

**CHIVES.**—See Vegetable Roots, page 37.

**Improved Early Blood Turnip**  
This is the ideal beet for market gardeners. It is very symmetrical, with small tap root and but few fibrous roots; color outside is deep blood-red; fine grained and unsurpassed in quality. It continues to grow until late in the fall, attaining a large size and making a good selling and table beet for winter.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

### NEW TABLE SQUASH

Tacoma, Wash., Nov. 3, 1925.

Routledge Seed Co.

Dear Sirs: We planted the sample of Danish Squash Seed you sent us last spring and while the Squash did not grow very large they were very delicious. We were much pleased with the rest of the seed you sent. Expect to order more seed this next year.

Yours truly,

H. D. HANSEN.



Swiss Chard or Spinach Beet

OUR GARDEN CULTIVATORS are priced very low and will save you much work in the garden. See pages 116 and 117.

## Stock Beets or Mangels

Excellent winter feed for horses, cattle, sheep, hogs and chickens. Farmers and stock raisers of the United States do not appreciate so fully the value of Mangels for feeding cattle, hogs, sheep, etc., as do the farmers of Europe. In France, Great Britain and other European countries, it is the exception rather than the rule where Mangels are not grown on a large scale on every farm. The immense yield which may be secured from an acre, with very little expense either for material or labor, makes the Mangel crop one of the most profitable on the farm. Fifteen to 20 tons of roots an acre is not an unusual yield; some specimens weigh 20 to 30 lbs. each. Where properly cultivated, seeded and harvested the cost of growing a bushel should not exceed 10c. When fed in combination with grain they are worth almost as much, pound for pound, as the grain. This statement may seem absurd, but experience has proved that Mangels so aid digestion and assimilation by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed, beside the nutrients the roots contain. Every farmer and poultryman should raise Mangels.

### Giant Yellow Eckendorf

A new mangel of great merit. The roots are smooth, long and cylindrical in shape, very heavy, weighing up to 15 and 20 pounds each; grow two-thirds above ground. The flesh is firm, crisp and solid, white in color and of high feeding value. Our most popular variety. Best imported seed. (See cut No. 3.)

Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 60c

### Giant Half Sugar Mangel

Yields as much per acre as the best Mangels, and twice as much per acre (bulk or roots), as the rich sugar beet. Roots grow very large above the ground. Smooth, creamy white in color and very nutritious. Easily pulled. Excellent sort. (See illustration No. 1.)

Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 55c

### Mammoth Long Red

Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the ground; roots quite regular; attain a very large size. (Same shape as No. 2.)

Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 55c

### Danish Sludstrup

An improved variety, considered one of the best. Awarded first class certificate. Color, reddish yellow, and of a distinct type. It is very hardy, grows well above ground; is easily pulled; very nutritious. (See cut No. 2.)

Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 50c

### Golden Tankard

An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep-yellow, of fine shape, growing largely above ground, thus being easily harvested. (Same shape as cut No. 3.)

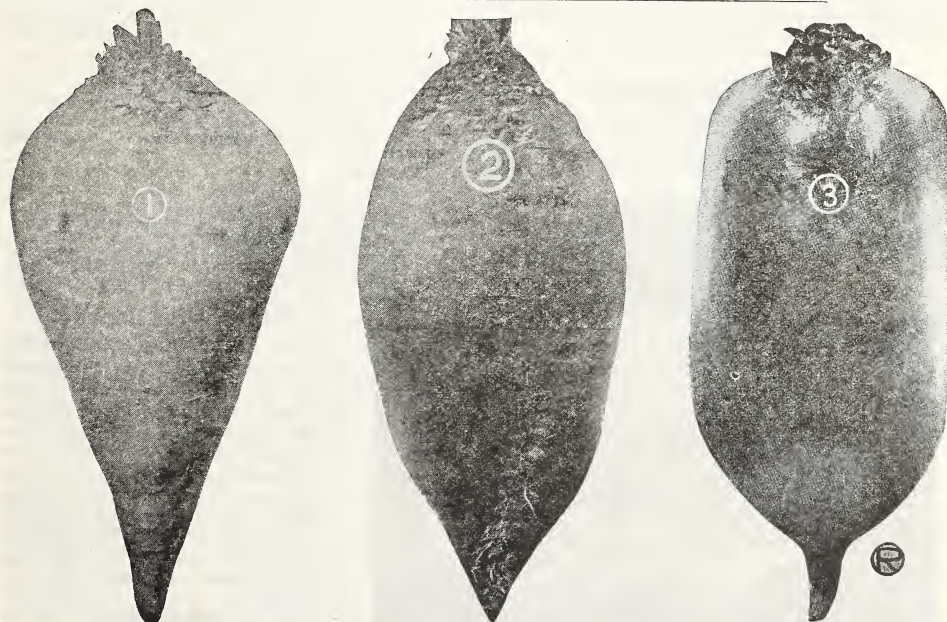
Pkt. 5c; oz. 10c; 4 oz. 25c; lb. 60c

## SUGAR BEETS

**FRENCH WHITE SUGAR.**—The sugar beet most generally grown; most popular variety as it produces a large crop and is rich in sugar value. The young beets are fine for table use.

Pkt. 5c; oz. 10c; 4 oz. 30c; lb. 85c

NOTE.—In 5-lb. or 10-lb. lots, 10c per lb. less; write for quantity prices



(1) Giant Half Sugar

(2) Danish Sludstrup

(3) Giant Yellow Eckendorf

Write for quantity prices. For amount of seed per acre, any kind, see "Seed Table," inside back cover.

**"Highest Quality"****CABBAGE****True and Pure**

Our Cabbage Seeds come from the world's best growers—pure, true strains, of highest quality. One ounce will produce over 3,000 plants. One-quarter pound of seed will produce plants sufficient for one acre, therefore, don't practice false economy by buying cheap, low-quality seed.

**Early Jersey Wakefield**

The earliest and hardiest heading of first early cabbages. Its exceeding hardness not only to resist cold, but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Our stock is grown and selected with the greatest care; there is none better. Head conical, very compact, solid and of excellent quality.

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.50

**Oregon Wakefield**

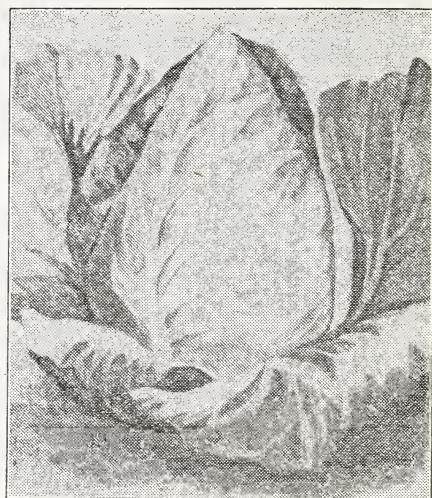
A large strain of Jersey Wakefield; heads nearly double in size, not so pointed. Excellent quality; second early.

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.00

**Early Winningstadt**

Very hardy, stands cold, wet and frost better than most. Heads conical, hard, fine quality and keep well.

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.50



Early Jersey Wakefield

**GOLDEN ACRE**

This new and extra early variety from Denmark is said to be distinctly superior to any early, round-headed cabbage. It has qualities so valuable and important that, not since the advent of the "Jersey Wakefield" has a greater or more important Early Cabbage been offered.

It is the earliest cabbage in existence—7 days ahead of Jersey Wakefield. Heads begin to form when the leaves are no larger than a saucer and its rapid growth may be observed almost from day to day. It is perfectly round; average weight, 4 lbs. The heads mature all at the same time—so fixed is the type, and one head is just like the other, both as to size and shape.

The plants can be set very close, as there are only about 12 leaves and these are very short. The stalk is less than two inches high, so the plant is distinctly dwarf.

THE GOLDEN AGE is sweeter in flavor and is cooked in less time than any other cabbage.

Pkt. 25c; ½ oz. 60c; oz. \$1.00; 4 oz. \$3.50

**Copenhagen Market**

The earliest LARGE round-headed cabbage yet introduced. Sure to head and every head perfect. The plant is of vigorous habit but compact, with short stem and few outer leaves. The heads are round, very solid and of exceptionally good quality. Its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combine to make Copenhagen Market one of our most valuable varieties. We recommend it.

Pkt. 10c; oz. 35c; 4 oz. \$1.25; lb. \$4.00.

## CABBAGE — Continued — Late Varieties

### Premium Late Flat Dutch

A low growing variety; heads large, bluish-green; round, solid, broad and flat on top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads, and we consider it superior to any other strain of Flat Dutch cabbage on the market.

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.50.

### Perfection Drumhead Savoy Cabbage

A variety that is much prized by those who are familiar with it; of exceptionally fine flavor, more tender and sweeter. Heads large size and quite compact, with densely and uniformly crimped or savory leaves.

Pkt. 10c; oz. 40c; 4 oz. \$1.25; lb. \$4.00.

### Mammoth Rock Red

Best hard-headed, red variety; large heads, globular, and very deep red on top. Very tender and excellent quality, fine for cold salads on account of its attractive color.

Pkt. 10c; oz. 35c; 4 oz. \$1.00.



Danish Ball Head Cabbage

### Danish Round Head

An earlier short-stemmed strain of the famous Danish Ball Head

Large and very solid round head on short stems, having the same keeping quality as the original strain of Danish Ball Head, so widely known. It is 10 days to 2 weeks earlier and is a wonderful yielder. It is especially valuable for high, dry land, producing good sized heads where other strains would be too small. For shipping in the late fall or winter there is no finer cabbage. Our seed of Danish Round Head comes direct from the originator in Denmark and is of the Highest Quality.

Pkt. 10c; oz. 35c; 4 oz. \$1.25; lb. \$4.00

### Danish Ball Head—True, Highest Quality Seed

Most remarkable late cabbage yet produced, heads hard and solid—fine grained and tender. Entirely distinct. Exceedingly hardy in resisting cold and wet weather. We offer true, pure seed of the very finest medium tall or "middle-stem" type. Famous for its hard-heading qualities, which at once recommends it as highly valuable for shipping. The magnificent heads are grown in form and keep in excellent condition during winter, coming out in the spring perfectly solid.

Pkt. 10c; oz. 40c; 4 oz. \$1.25; lb. \$4.00



Wong Bok Salad Cabbage

"CARCO" FOR ROOT MAGGOTS  
DILUTE WITH WATER 1 TO 125. IT IS  
A "LIFE SAVER" FOR PLANTS AFFECTED  
WITH THE DEADLY ROOT MAGGOT.—SEE  
PAGE 120.

## WONG BOK

### Chinese Cabbage

This Chinese Cabbage is becoming more popular each year. While it has been cultivated in China for years, it is comparatively unknown in many markets. Last season there was more than usual displayed on our "Public Market."

Wong Bok produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Delicious sliced as cold-slaw. Boiled or steamed it makes delightful greens, more sprouts. Don't plant too early, grow it as a fall vegetable.

Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool, moist weather. Will last until freezing weather.

Pkt. 10c; oz. 40c

DO YOU SEND EAST for your Seeds? It's bad policy. Spend your money on this Coast. Here's where you sell your products. Our Seeds are highest quality and prices reasonable.

## CARROTS

### ROUTLEDGE CORELESS

The finest early table variety grown. Handsome, meltingly tender and sweet

This new carrot is our own strain, grown from the French carrot, Nantes. You will be delighted with the melting tenderness and sweet, mild flavor of Routledge Coreless.

It is a half-long cylindrical carrot, blunt pointed, with a small tap root and small top. They run very uniform in shape and grow just the right size for table use. The flesh is of fine texture, entirely devoid of stringiness, coarseness and woody heart; color orange-scarlet, very attractive, delicious and sweet flavored when cooked.

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$1.50

### Early Scarlet Horn

A very fine extra early table carrot and is an excellent summer or fall sort. Tops small, roots grow about 3 inches long and of a deep rich orange, fine grained, good flavor.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25

### Chantenay or Model

The Market Gardener's Favorite.—Tops medium sized, necks small, top of root quite thick and tapering to a uniform stump root, smooth; color deep orange-red; flesh very crisp and tender; medium early; a heavy cropper; 5 to 6 inches long.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00; 3 lbs. \$2.25

Mary Island Light Sta.,  
Via Ketchikan, Alaska,

Routledge Seed & Floral Co.

Gentlemen: Just a few lines to tell you I like your Seeds and Plants very much. Your Routledge Prize Peas can't be outdone by any other kind and your Giant Pole Beans are the only ones I can make grow here. They are just fine. Also your Coreless Carrots and Sweet Marrow Parsnips. Your Self-Blanching Celery grows fine up here.

Respectfully yours,

MRS. B. J. DERVICK.



Chantenay



Routledge Coreless

### Danver's Half Long

A great favorite; big cropper; the roots are smooth and handsome, medium size, tapering uniformly to a blunt point and of a rich, dark orange; fine for table. On account of its productiveness it is a profitable variety to grow for stock feeding.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

### Routledge Stock Carrot

(See top next page)

### Long Orange Improved

The best of the long carrots, fine quality; color bright-orange, with long, smooth, tapering roots, requiring a deep soil. Excellent for stock.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 75c

### Guerande, or Oxheart

Bright orange, broad at the top and terminates abruptly in a small tap root. Length about 4 to 5 inches; excellent for shallow soils.

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.00

### Large White Belgian

Extensively grown for stock feeding; roots white; green above ground and growing to a large size; flesh rather coarse. A good cropper.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 85c

**DAD'S ELECTRIC LANTERN.**—A Penetrating, Bright Light. The best and safest light for the farmer. No matches or danger of fire around the barns. Write for pamphlet.

## CARROTS — Continued

### Routledge Mammoth Stock Carrot

The heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is yellowish-white, crisp and solid, and very sweet in flavor. It is a vast improvement on the Belgian sorts, which have been favorites in the past, as it is not only much more productive, but vastly easier to handle. The roots are short and very heavy at the shoulder, rendering them easily harvested. Too much can scarcely be said of their size and great productiveness. Every farmer should grow a good supply of carrots for winter feed and Routledge Mammoth is the kind to plant. Yields reported from 20 to 50 tons per acre.

Large pkt. 10c oz. 15c; 4 oz. 40c; lb. \$1.25; 2 lbs., enough for one acre, \$2.00.

Athol, Idaho.

Routledge Seed & Floral Co.

Gentlemen: Your Routledge Mammoth Stock Carrot Seeds made a fine crop and grew very large. We like them cooked.

Respectfully,

M. E. MINTHORN.



Routledge Mammoth

## CELERIAC

**Turnip Rooted Celery.**—The roots, which are the edible portion, keep well for winter use and are excellent for soups and stews. They are also cooked and sliced as a salad. Sow seed at the same season and give the same treatment as any root crop.

**LARGE ERFURT.**—An improved form, producing large, smooth roots, which are nearly round.

Pkt. 10c; oz. 25c; 4 oz. 75c



R. R.'s White Plume

Highest  
Quality

**CELERY** Celery Plants  
Page 37

### R. R.'S WHITE PLUME

Our Leading Early White Celery

A handsome, crisp sort, of very early cultivation. Naturally its stalks and portions of inner leaves and heart are white, so that by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. It is the earliest celery known, delicious and fine flavored.

Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.00

### PARIS, GOLDEN SELF-BLANCHING

The finest strain of French grown seed. This splendid variety is without doubt the most popular celery grown. It is a self-blanching sort, for with a little banking or covering, even the outer ribs assume a beautiful golden-yellow, while the heart or vine stalks are deliciously tender, brittle and sweet. This variety is being very extensively grown on account of its ease of cultivation and superior quality. It is not quite so early as the White Plume.

Select quality: Pkt. 15c; ¼ oz. 35c; oz. \$1.10; 4 oz. \$4.00; lb. \$12.00.

### Golden Yellow Self-Blanching

Same variety of celery as above, but is American grown. It is equal to most seeds offered, but not as true, dependable or of such high quality as the French grown stock.

Pkt. 10c; oz. 50c; 4 oz. \$1.50; lb. \$6.00

### Giant Pascal

Excellent for fall or winter use, and has increased in popularity every year. A large, tall grower of the finest nut flavor, being free from any bitter taste. Very broad stalks, blanching very quickly with little banking up; an admirable keeper.

Pkt. 10c; oz. 35c; 4 oz. \$1.00

For complete seed and plant tables, amount to plant, etc., see complete reference tables inside back cover. Always refer to "Index," pages 2 and 3, for anything wanted.

## BROCCOLI — Winter Cauliflower

Forms a head like cauliflower, but is much hardier; stands wet and cold better and gives excellent results. For fall use sow White French in March or April; St. Valentine in May or June, for late winter and early spring cutting. St. Valentine is very extensively planted by our local market gardeners for use in late winter and spring when cauliflower is out of season. Plant and cultivate same as cauliflower.

### ROUTLEDGE "H. Q."

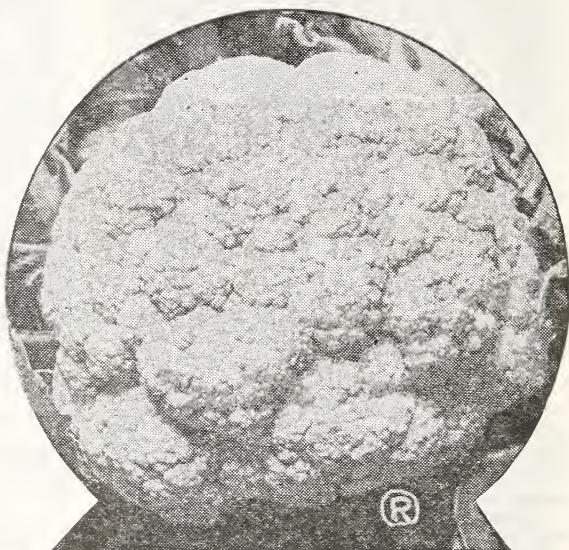
(Highest Quality)

#### ST. VALENTINE

In this seed we are offering our customers a very select, high-grade strain of the well-known St. Valentine. By selecting only the most perfect heads, those showing the most desirable leaf formation for the protection of the developing head and those of large size and perfect, compact heads, free from small center-head leaflets, we have produced this superb strain. Our H. Q. St. Valentine produces larger, later and far better heads that are much superior to those produced from the average seed sold of this variety. Our "H. Q." seed will produce the highest per cent of perfect heads and bring the "top" price.

The H. Q. St. Valentine seed we are offering this year is from just such perfect heads as shown herewith. It comes from the originators of this now famous variety.

H. Q., pkt. 15c; 1/4 oz. 50c; oz. \$1.75; 4 oz. \$5.50; lb. \$20.00.



"H. Q." St. Valentine Broccoli



H. Q. Type of  
Matured Head

**NOTE.**—Don't set plants of St. Valentine out before June—and set at least four feet apart each way. They will be ready to cut early the following spring.

#### White French Broccoli

##### White Cape

A select early strain, producing fine white heads of large size and excellent quality. Broccoli is hardier and easier to grow than cauliflower, and this variety comes into head and can be cut in the fall and winter, depending on earliness of planting.

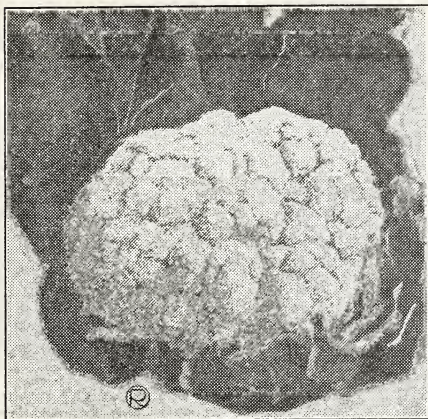
Pkt. 10c; oz. 90c; 4 oz. \$3.00

**NOTE.**—These illustrations reproduced from photographs show our "H. Q." type of a perfect cut head, also a growing plant with the large incurving leaves that are so necessary to protect the "head" during cold, unfavorable weather.

### New and Up-to-Date Books of Great Value COMMERCIAL PLANT PROPAGATION

A new and up-to-date book so fully illustrated and plainly written that the professional as well as the amateur will find it of great value. Cloth, 120 pages, \$1.90, postpaid. See other books, page 124.

Hundreds of our customers praise "Marvel" Fertilizer and buy it every year. You try it; we are sure you will like it; also "H. Q." Sheep Manure; see pages 38-39.

**"Highest Quality" CAULIFLOWER Plants, Page 37****Routledge Snow White****EXTRA EARLY SNOWBALL**

This is the very choicest, selected strain of the popular Dwarf type, and is remarkable for its extreme earliness and reliability in heading. Medium size heads of excellent quality.

Pkt. 10c; ¼ oz. 60c; oz. \$2.00

**VEITCH'S AUTUMN GIANT.**—A large, late variety, very hardy. The heads are well protected by the foliage, enabling it to resist unfavorable climatic conditions.

Pkt. 10c; ¼ oz. 50c; oz. \$1.25; 4 oz. \$3.50

**ALGIERS.**—A very strong-growing late variety, with large leaves of a bluish cast. In cool locations and rich soil it produces very large, solid, white heads late in the fall.

Pkt. 10c; ¼ oz. 50c; oz. \$1.50; 4 oz. \$4.00

**OUR MOTTO is**  
**"Highest Quality"**

It's quality **FIRST**, then price as low as possible. The best seeds are the cheapest in the end, even though they cost a little more.

Retail, Wash., July 9, 1925.

Routledge Seed & Floral Co.

Gentlemen: I don't make a practice of writing testimonials, but I will say this: Up until last year I sent East for all my seed, believing that most of the seed sold on the Coast is more or less trashy (which I still believe to hold good in a number of instances). I was induced by a friend to give you a trial and sent a small order. I was so well pleased with the result that this year you got my entire order, and, incidentally, I have the finest garden I've ever raised.

Very truly yours,

G. S. PRICHARD.

**CHICORY**

**LARGE ROOTED OR COFFEE.**—Grown quite extensively for the large, thick roots, which are sliced, dried, roasted and ground as a substitute or adulteration for coffee.

Pkt. 10c; oz. 40c; 4 oz. \$1.25

**CHERVIL**

**CURLED.**—An aromatic herb, resembling parsley, and used for flavoring in soups and salads. Fine for garnishing.

Pkt. 10c; oz. 30c; 4 oz. 1.00

**ROUTLEDGE "SNOW WHITE"**

The Finest Cauliflower Grown

In competition with all other strains, this cauliflower has won the approval of critical gardeners, being early and also the best main crop sort grown. It is suitable not only for early use, but is superior for late planting. The heads are large, compact, firm and solid, and do not spread as do some of the inferior sorts. No other variety surpasses it in purity of color, being clear snow white, of high quality. It is equally desirable for family use and for the market garden. The heads are large—from 9 to 12 inches in diameter. Very resisting against unfavorable seasons and dry weather, the foliage giving a splendid protection.

Pkt. 20c; ¼ oz. \$1.00; ½ oz. \$1.75; oz. \$3.50

**EARLY SNOWBALL**

This variety is much in demand by market gardeners. Its earliness, compact habit, large-sized heads and snow-white color recommend it to every grower as a variety of especial merit. We have an extra selected stock of this sort, and recommend it with the greatest confidence.

Pkt. 15c; ¼ oz. 60c; oz. \$2.00; 4 oz. \$6.50

**NEW CALIFORNIA WONDER.**—A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in Oregon and California, wherever tried.

Pkt. 10c; ¼ oz. 50c; oz. \$1.25; ¼ lb. \$4.00

**NEW-EARLY SIX WEEKS**

A new variety of proven merit. It comes from Holland so highly recommended that we bought and list it. Very hardy, compact, upright foliage, permitting close planting. Can be grown for an extremely early, medium or late crop. Said to surpass all other kinds in type and perfection. Better try it.

Pkt. 10c; ¼ oz. 50c; 1 oz. \$1.50; 4 oz. \$5.00

**Thorburn's Gilt Edge Snowball**

A very select strain of Early Snowball that gives excellent crops. Some planters prefer this, so we have stocked it. The large white heads are of finest quality.

Pkt. 15c; ¼ oz. 85c; oz. \$3.00

**CRESS**

**CURLED OR PEPPER GRASS.**—Used as a salad and fine for garnishing.

Pkt. 5c; oz. 15c; 4 oz. 40c

**TRUE WATER.**—This is quite distinct from the former and only thrives when its roots and stems are submerged in water and delicious for small salads.

Pkt. 10c; oz. 60c

**COLLARDS**

**TRUE GEORGIA.**—Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places.

Pkt. 10c; oz. 20c; 4 oz. 50c

**CORN SALAD**

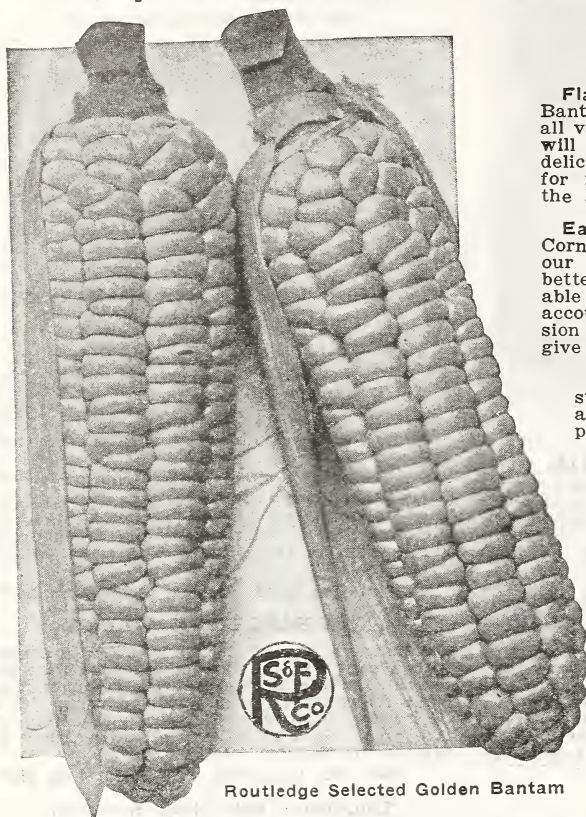
**Fetticus or Lamb's Lettuce.**—This is a hardy winter salad, the small leaves being served like lettuce; does not succeed during warm weather, and the seed should be sown thinly in drills after August to supply fresh leaves during the late fall.

Pkt. 5c; oz. 20c

**"SEMISAN".**—According to "tests" it ought to pay to use "Semisan" on Cauliflower seed. See page 40.

# SELECTED SWEET CORN — NORTHERN GROWN

All prices on Sweet Corn postpaid. Special quantity prices on request



Routledge Selected Golden Bantam

## Routledge Selected GOLDEN BANTAM

**Flavor.**—Without exception Golden Bantam Corn is the richest in flavor of all varieties; a sweet corn of which one will never tire. The first trial of this delicious Sweet Corn creates a desire for more. The most popular corn in the Northwest.

**Earliness.**—Golden Bantam Sweet Corn is only exceeded in earliness by our "Superb," but we like the quality better. It matures quickly and is suitable not only for early planting (on account of its hardness), but a succession of sowings may be made which will give continuous supply until fall.

**Color.**—When picked at the proper stage of its growth the kernels are a rich, creamy-yellow and unsurpassed in quality.

**Growth.**—Being dwarf in its growth, with stalks small in size, it can be planted quite close, and a large crop may be obtained on a small area. The ears are 8 to 10-rowed, and about 6 inches long—just the right size for the table.

Remember our selected strain is Northern grown, better flavored and truer than most seed offered.

There is no other yellow or golden sweet corn that can compare to our selected Golden Bantam. Try it and be convinced.

**Price:** Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00; 20 lbs. up at 25c, all prepaid.

## ROUTLEDGE SUPERB

We do not hesitate to recommend this new sweet corn to our customers. Its earliness, hardness, size and quality make it of real merit to the Western planters. It is extremely early, almost two weeks ahead of Golden Bantam and one week ahead of Portland Market. The large ears are always well filled with 12 to 14 rows of large, plump, white, sweet grains, of handsome appearance and excellent quality.

Large pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

## Portland Market

An Oregon introduction, a very early, large eared sweet corn and very productive. Its large well-filled ears, together with its plump, sweet grains of purest white, makes it a most profitable home or market variety. Very popular with our market gardeners.

Large pkt. 10c; ½ lb. 15c; lb. 30c; 10 lbs. \$2.75

## Early Evergreen

This fine variety is 10 to 12 days earlier than Stowell's Evergreen and yields large, handsome, 10 to 12-rowed ears. An excellent variety to follow the first early kinds. Near Portland it will make a late or main crop variety.

Large pkt. 10c; ½ lb. 30c; lb. 35c; 10 lbs. \$3.00

Siletz, Oregon, Feb. 23, 1925.

Routledge Seed & Floral Co.

Gentlemen: We were so pleased with the Seed we bought from you last year so we are sending you the bulk of our order.

J. H. DERBY.

## HOWLING MOB

This is one of the newer varieties that has become very popular here for main or late crop. The seed we offer is Oregon Grown and acclimated. You must remember that the early corn listed by Eastern seed houses will be late here.

Howling Mob is a large-eared, vigorous grower, large and well protected with husks and having 12 to 16 rows of the sweetest flavored, tender, delicious, white corn—good for canning.

Large pkt. 10c; ½ lb. 15c; lb. 30c; 10 lbs. \$2.75

## Stowell's Evergreen

A good main crop or late sort. Remains longer in green state than any other. Very large ears, with deep grains, and remarkably sweet.

Large pkt. 10c; ½ lb. 30c; lb. 35c; 10 lbs. \$3.00

## POP CORN

**WHITE RICE.**—Most popular and profitable kind; short ears, white, pointed kernels.

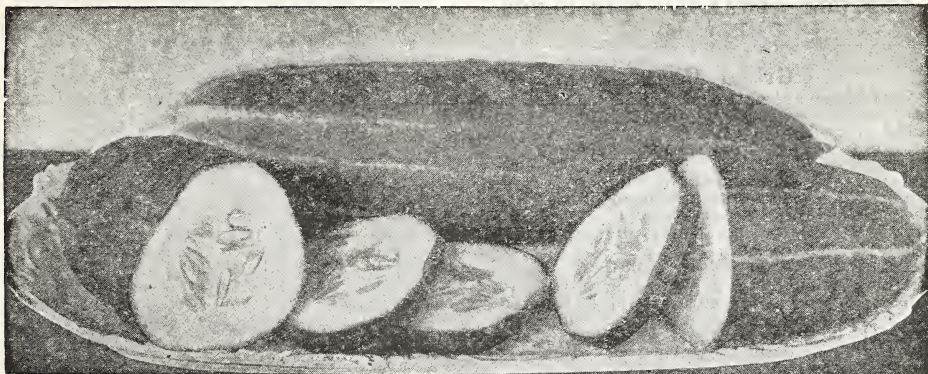
Large pkt. 10c; lb. 35c

**FIELD CORN.**—Don't overlook what we have to offer in OREGON-GROWN FIELD CORN; "the best ever." See page 44. For HAND CORN PLANTERS see page 115.

CAREFULLY GROWN  
RE-SELECTED STOCK

## CUCUMBERS

USE BUG DEATH  
FOR CUCUMBER BUGS



Routledge Highest Quality Cucumber

### Routledge Highest Quality

A quick grower and always commands "fancy prices" on account of its fine form and superb quality. Very productive.

It is the earliest white spine cucumber suitable for table, market or shipping purposes, under all conditions of culture, whether under glass or in the open ground.

Color a very deep green, which it retains during a long period, while in symmetry of form it is so regular, so uniform, as to create comment wherever seen.

The quality is unsurpassed, being exceedingly brittle and crisp. The flavor is delicate and entirely devoid of the bitter taste so frequently noticed in other varieties.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. \$2.00

#### Arlington White Spine

One of the best sorts for table use. Vines vigorous, fruiting early and abundantly. Fruit uniformly straight, light, bright green in color, with a few white spines. Flesh crisp, tender and of excellent quality.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.25

#### Improved Long Green

The leading large variety. Fruit from 10 to 12 inches long, dark-green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50

#### Davis' Perfect

As now selected, the long, even fruits are of fine form, with an intensely dark rich green skin. The solid white flesh is of superb quality for slicing. So handsome and regular are the fruits, even when grown outside, that they bring an extra price on the market, often being taken for "hot-house grown."

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50

#### Gherkin for Pickling

A very small, oval, prickly variety, quite distinct from all others.

Pkt. 10c; oz. 25c; ¼ lb. 75c

#### Japanese Climbing

A vigorous grower, can be trained on a trellis or the garden fence, thereby saving ground space. Fruit from 12 to 16 inches long, dark green and smooth. Flesh pure white, crisp and tender.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Lemon Cucumber

New. Highly recommended by all who have tried it for slicing and salads. Resembles a lemon both in size, form and color. Has a distinctive and delicious flavor superior to and not found in any other cucumber. A variety of real merit—try it.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

### Boston Pickling

A distinct variety, very popular for pickles; color bright green, a great producer and of excellent quality. It is for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50

## EGGPLANT

Sliced and fried takes the place of meat. Culture same as for tomatoes.

**BLACK BEAUTY.**—The earliest and best variety for Oregon. Oval shaped, deep-purple, large size and fine flavor.

Pkt. 10c; ½-oz. 40c; oz. 75c; 4 oz. \$2.25

## ENDIVE

This plant furnishes an attractive and appetizing salad for the fall and winter months or by repeated sowings a supply may be had nearly all the year round. Makes delicious greens if cooked like spinach. Tie up the leaves to bleach the heart and make it tender, a week or two before cutting.

**BROAD LEAVED BATAVIAN.**—Leaves are broad, thick, green, more or less twisted and waved with white mid-ribs. Crisp, tender and fine flavor.

Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25

**GREEN CURLED.**—Leaves beautifully curled, dark-green, tender and crisp.

Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25

**WHITE CURLED.**—Very tender and light green, blanches easily, very ornamental.

Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25

USE "MARVEL."—So many of our customers tell us of the wonderful results, the increased yield and quick growth obtained by using our Odorless "Marvel" Fertilizer that we again call YOUR attention to it. Remember you can get it by parcel post. See page 38.

## LETTUCE

### LETTUCE "SNAROL" THE SLUGS

(Page 48)

#### Grand Rapids

Very popular with private gardeners and as a lettuce for greenhouse forcing. It will stand shipping better than most curled sorts. Of quick growth and stands for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large bright-green leaves, finely crimped and ruffled; rather thin, good flavor, crisp and tender.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

#### Early Prize Head

A large, clustering, non-heading lettuce, excellent for the home garden and undoubtedly the most easily grown variety in cultivation. Leaves finely curled and crumpled, bright green tinged with brownish-red, very crisp, tender and sweet.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

#### Big Boston Improved

Plants grow large, very hardy and vigorous, leaves broad, comparatively smooth, wavy at edges, thin, very firm and crisp; color bright light-green, slightly tinged with reddish brown. Grown extensively in the South for shipment North in the winter. It usually heads up under cold weather conditions better than any other variety.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

#### Simpson's Early Curled

A very extensively used early loose-leaved, or clustering variety. Leaves light-green, slightly frilled, crisp, sweet and tender.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

#### Early White Cos

"Salad Romaine" or Celery Lettuce

Heads tall and circular. As a salad lettuce it is highly esteemed for its fresh crispness and mild flavor. Give each plant about 4-in. space. By drawing the outer leaves together the center will blanch to a snowy white.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00



Grand Rapids

#### Hanson

Improved Hard Heading Stock.—A very popular head lettuce. We can recommend this as one of the very best. Heads green outside and white inside; grow to a remarkable size; very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

#### Use "SNA-ROL"

The guaranteed slug and snail destroyer. No use of having your garden plants ruined by the "pesky" slugs. Read about Snarol on page 122.



R. R.'s Wonderful

## R. R.'S WONDERFUL

A re-selected, hand-picked strain of the original New York or Wonderful. Our grower has given this stock special attention and it is a wonderful strain. It produces immense heads of closely folding ruffled leaves. The heart blanches beautifully and is crisp, tender and delicious. A robust variety, rooting deeply and thus able to resist hot, dry weather; slow to seed and a sure header. The outer color is of a distinct apple-green. A rapid grower and unsurpassed as a home or market lettuce. When you transplant set 18 inches apart (and use a little "Marvel Q. A.")—page 38).

Pkt. 15c; ½ oz. 20c; oz. 35c; 4 oz. \$1.25; lb. \$4.00.

**HIGHEST QUALITY LETTUCE SEED.**—We pay our grower extra money for selecting seed from extra choice stock. It's worth double common seed generally offered.

## LETTUCE — Continued

DON'T OVERLOOK "SNAROL," the Guaranteed Slug and Snail Destroyer. Page 122.

### R. R.'s Tender Crisp

A distinct and extra choice variety for those who like curly, crisp, tender Lettuce of the finest quality.

Grows to a large size, makes most desirable heads of pleasing appearance, and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. While especially adapted for midsummer, it is most desirable also for spring and fall. The plants are of quick, strong growth; the leaves are of a soft, bright-green, growing closely around the heads, which become quite solid. The heart blanches to a beautiful silvery white, tender yet mild flavored and unsurpassed.

Pkt. 10c; oz. 25c; 4 oz. 65c; lb. \$2.25.

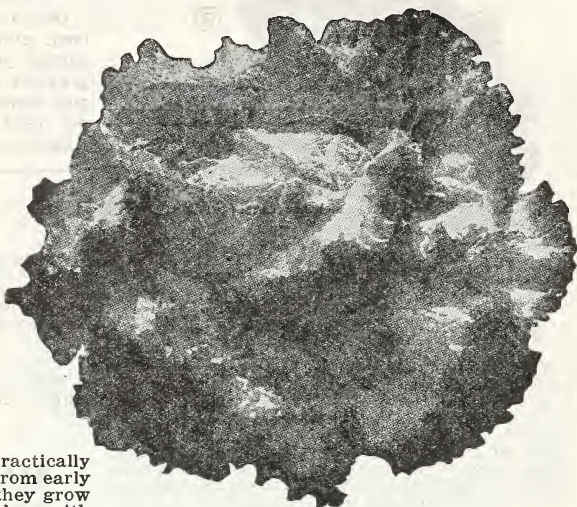
### Early May King

The plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of 6 to 7 inches with the broad, light-green outer leaves folding closely about the round, solid head. The inner leaves (practically the entire head), are blanched to a rich golden yellow and have a specially fine, rich, buttery flavor. Excellent shipper.

Pkt. 10c; oz. 20c; 4 oz. 55c; lb. \$1.75

### VEGETABLE GARDEN BOOKS

We offer many practical and up-to-date books of interest. See page 124.



### R. R.'s Tender Crisp Lettuce New York (Los Angeles)

A large, crisp, curly-leaf, close-heading lettuce of the finest quality. Great favorite in the markets of Los Angeles and San Francisco. Carloads of this variety are shipped by California growers and it brings the highest prices. Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.50

### WAY-A-HEAD EXTRA EARLY

Both in cold frames and in the open ground it has proved to be not only the earliest and one of the surest heading of all early lettuce, but also of the very finest quality. The tightly folded heads are of good size and handsome appearance. The outer leaves are a light green with the inner head finely blanched to a rich buttery yellow.

Pkt. 10c; oz. 20c; 4 oz. 55c; lb. \$1.75

### Chicken Lettuce

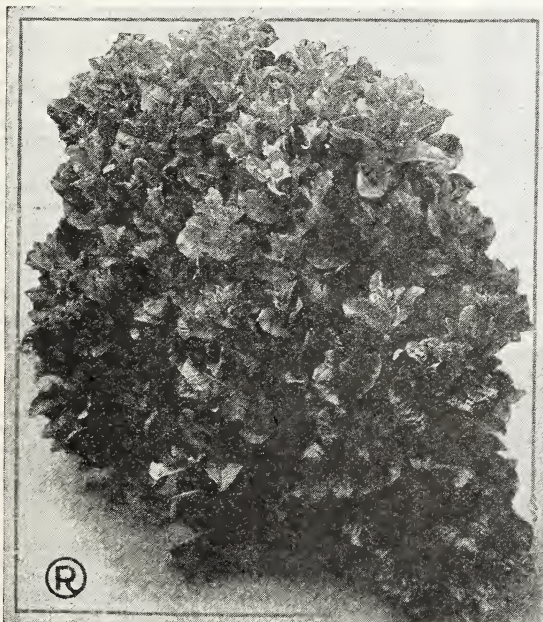
(For Poultry and Rabbits)

A recent introduction. You have doubtless often read in the Poultry Journals that lettuce was an excellent feed for chickens. It is just the "greens" which they require to keep in the best of health.

Chicken Lettuce, you will find, is a feed that yields as much or more than other green feeds. It is economical to grow this sort, for when once cut it starts again and again; or the leaves can be pulled off each stem like the Jersey Cow Kale. The yield is extremely heavy.

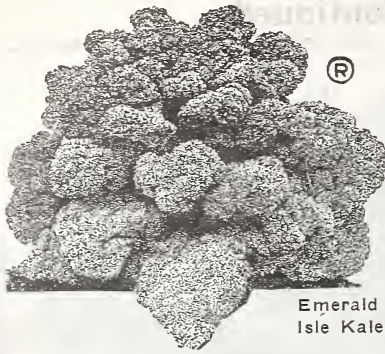
Chicken Lettuce does not make a head, but sends up a stout stalk three to four feet high just loaded with leaves. The best of green feed on account of its unusual food properties. For large size do not crowd it. Transplant from the crowded rows.

Pkt. 10c; oz. 25c; 4 oz. 65c; lb. \$2.00.



Chicken Lettuce (2 Plants)

"SNAROL". — Keep the slugs away from your lettuce and other plants by using "SNAROL"—GUARANTEED. See page 122.



Emerald  
Isle Kale

## KALE, OR BORECOLE

This is a popular boiling-green resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. With the tall varieties it is customary to pull off the lower leaves and let the plant grow on to furnish a continuous supply. The sweetness and flavor of these greens are improved by frost or light freeze.

### Dwarf Green Curled

Long plume-like leaves with edges finely cut, tender and of fine flavor.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$1.75

### Tall Green Curled

Grows about 2 feet high; leaves dark-green; curled and wrinkled; very hardy.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$1.75

### Emerald Isle

A very handsome variety of medium height, leaves attractive, closely curled and of fine flavor. The finest garden variety we have; very productive.

Pkt. 10c; oz. 20c; 4 oz. 65c; lb. \$2.25

### COW KALE or THOUSAND HEADED.

Pkt. 5c; oz. 15c. See Field Seeds, page 43

## KOHL-RABI

A delicious vegetable. In growth this is half way between cabbage and turnip; the edible portion is the large bulb which forms on the stem above the soil. By making successive sowings, tender bulbs may be had throughout the summer and fall, and are highly esteemed for their mild, delicate, cabbage-like flavor. Slice and boil, discarding the hard lower part of bulb. Sow in drills or raise and transplant like cabbage, 6 to 10 inches apart.

**EARLY WHITE VIENNA.**—Extremely early, medium size, excellent quality.

Pkt. 10c; oz. 20c; 4 oz. 70c; lb. \$2.25

## GARLIC

Separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull up the bulbs and dry in the shade.

Per lb. 60c, postpaid

Write for quantity price. Requires about 250 lbs. sets per acre.

## "Marvel Q. A." Odorless Fertilizer

Use a teaspoonful of "Q. A." around each large plant, and you will have the best vegetables you ever raised. It's the richest, greatest fertilizer ever prepared for vegetable and flower gardens. It's pure fertilizer, 100 per cent soluble. No filler. Cheapest fertilizer to buy and it's odorless. See page 38.

## LEEK

A species of onion which does not form a bulb, but is used for its mild and delicious root, stem or neck. Plant in rows and thin to about four inches. Hardy, and frost improves the flavor. Hill up to whiten.

### American Flag

Mild and sweet; long, large stems; hardy and of the finest quality. A favorite variety.

Pkt. 10c; oz. 30c; 4 oz. 75c

## MUSHROOM SPAWN

### LAMBERT'S PURE CULTURE SPAWN

Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees F., and that the moisture be properly regulated. Lambert's Pure Culture Spawn is far superior to the old-style varieties, and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from 10 inches to a foot apart. Bricks weigh from 18 to 20 ounces. A brick will spawn 10 square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms.

**DIRECT SPAWN.**—Latest and best. Mammoth White, Cream White or Bohemian Brown.

Price, per brick, not prepaid, 35c; 10 bricks, \$3.00; add postage at rate of 1½ lbs. per brick. Write for quantity price.

**MUSHROOM CULTURE.**—We have instructive leaflets on Mushroom Culture. Free with an order of one or more bricks.

## MUSTARD

The leaves of mustard make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves.

### Southern Giant Curled

Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges; hardy, vigorous, highly recommended.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25

### Ostrich Plume

Leaves dark-green, beautifully curled and plume-like. Very vigorous and productive, stands well. Of distinctive flavor, superior to spinach for greens and excellent for salad.

Pkt. 10c; oz. 25c; 4 oz. 50c; lb. \$1.50

**WHITE ENGLISH.**—Light-green variety; tender leaves; seed light-yellow.

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.00

## MUSKMELON

Grow a few hills of our delicious Muskmelons in some warm, sheltered location. They do much better here than most gardeners think they do.

### POLLOCK 10-25

A melon of rather recent introduction. Now considered by many growers to be the finest commercial variety. Very productive, melons of even size, beautifully netted. Very small seed cavity with thick, luscious flesh of a genuine salmon tint, shading to green near the rind. A splendid keeper and shipper.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Netted Rock or Rocky Ford

An old favorite and one of the Most Popular and Best Sellers among the Rocky Ford Melons.

The fruit of Netted Rock is oval and completely covered with a beautiful lace-like netting. The flesh very thick; light green, very sweet and delicious and of superb flavor. The fruit is wonderfully uniform in shape and quality; medium in size, a great favorite.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Extra Early Hackensack

A great favorite among home growers. It is 10 days earlier and a great improvement over the old Hackensack formerly sold. Of fine, large form, heavily ribbed and netted. Flesh is a beautiful light green, thick, sweet, and of finest flavor. A delicious variety. Good for this locality.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Hoodoo

Produces an abundant crop of most delicious melons of convenient size for the table use. Skin thickly netted, flesh rich, deep orange, meaty, fine grained and sweet.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

### Delicious Gold Lined

Growers for home and for market will be delighted with "Delicious Gold Lined," both on account of its desirable size and unsurpassed quality. An improvement over Rockyford, melons more uniform as to size and shape, nearly round, thickly covered with grayish netting. The flesh is light green, with a beautiful light golden tint next to the seed cavity. The flavor is delicious, being remarkably sweet and juicy. Vines are productive and melons mature early. Unequaled in type, beauty and superior quality. Excellent shipper. Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$2.00

### Burrell's Gem

Select Strain.—A medium-sized oval variety, well ribbed and covered with a fine grayish netting and having reddish-orange flesh of fine, spicy flavor, sweet and delicious, distinct flavor. There is a growing demand here for this fine-grained, smooth, salmon, red-fleshed Muskmelon. A good local variety.

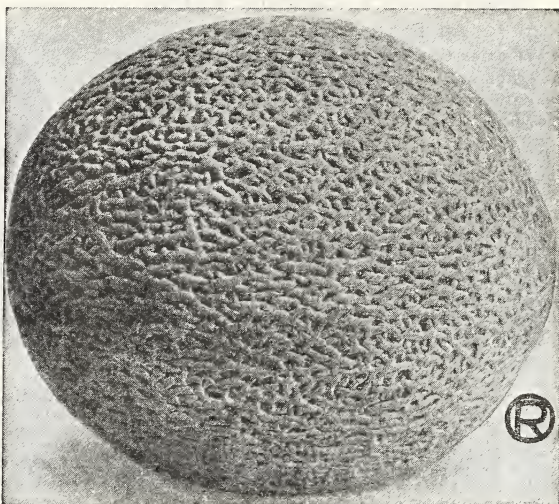
Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Golden Beauty Cassaba

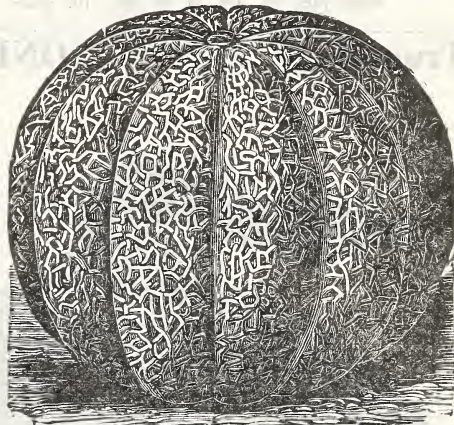
Fall and Winter Muskmelons

Skin wrinkled, flesh thick, excellent flavor and fine aroma. When nearly ripe pick and stow away in a cool, dark place until the rind becomes slightly softened and moist. Melons will actually keep until February.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00



Pollock 10-25



Extra Early Hackensack



Burrell's Gem

If you will DUST ALL THE VEGETABLE VINES with "NIAGARA" or "Bug Death" you will keep insects and blight away and INCREASE YOUR YIELD. See page 121.

## Melons — Continued WATERMELONS

### ROUTLEDGE'S OREGON PRIZE

#### An Extra Early Variety

We offer this Melon with the assurance that it is not only remarkably early, but as sweet, delicate and melting in flavor as any variety grown.

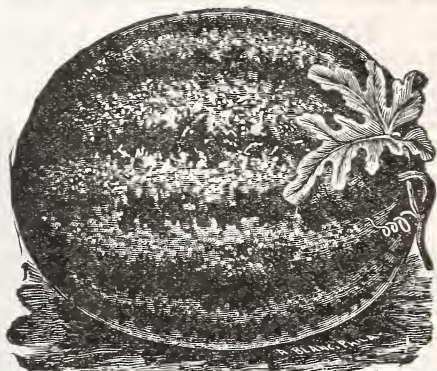
The flesh is of a deep scarlet; rind thin, and on this account is not a particularly good shipping sort, but is emphatically the variety for home use and sale. It will ripen in altitudes where it has not been thought possible to mature a good watermelon. If you have been under the impression that you could not grow watermelons in your garden on account of a short season or cool nights, try our Oregon Prize. Give them a warm, sunny sheltered nook and rich, warm soil and you may be delightfully surprised.

Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00

#### Halbert Honey

An early maturing variety suited to the Northern states; vigorous and very productive. Melons 18 to 20 inches long, full and round at both ends. Skin dark glossy green, flesh beautiful crimson, tender, sweet and delicious. In a good melon district this is a wonderful cropper.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25



#### KLECKLEY'S SWEET

Medium early and unsurpassed for near markets. Vine vigorous and productive; fruit of good size, oblong; skin dark, glossy green. The flesh is bright scarlet, crisp, sugary, and of excellent quality. Has a full, tender heart with the seeds close to the rind.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.25

**Citron, Red Seeded.**—Flesh white and solid, used exclusively for pickles and preserves.

Pkt. 10c; oz. 25c; 4 oz. 50c

## True Seeds

## ONION

## Highest Quality

Mt. Vernon, Oregon, Jan. 26, 1925.  
Routledge Seed & Floral Co.

Dear Sirs: Will you kindly send me your new Seed Catalog. We raised the most successful garden we ever raised from your seed and we want to send you an order as soon as we get your catalog.

Respectfully yours,

OTIS GREENE.

### Oregon Yellow Danvers

This variety is very extensively planted in the Northwest, particularly in Oregon.

The largest crops of onions and the best keepers, bringing the highest prices on the Pacific Coast and Middle Western markets, are the Oregon Yellow Danvers. The bulbs are uniformly large, a full three-quarters globe shape, with small necks. It matures quite early, is the largest in size, most perfect in shape, the largest cropper and one of the best keepers, and as a market or table onion cannot be excelled. Our seed is grown specially for us and is unsurpassed. No onion grower can afford to plant anything inferior when such seeds can be obtained at the following prices:

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.75.



Oregon Yellow Danvers Onion

**SHORT CROP**—Last season's crop of onion seeds was very short, almost a failure; therefore, new crop onion seed is much higher this year.

## ONION — Continued

The quality of our Onion Seed is unsurpassed. It will please you

### Extra Early Red Flat

The first Red Onion to ripen. A medium-sized, flat variety; an abundant producer and very uniform in shape and size, fine grained, mild flavored, and comes into use nearly two weeks earlier than the Large Red Wethersfield; very desirable for early market use.

Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.75

### Large Red Wethersfield

The standard variety of the red onions. Of large size and rather flat, a heavy yielder, and one of the best for keeping. A good shipper. Flesh white and fine-grained. Skin a deep purplish-red, smooth and glossy. This onion will produce a better crop on poor or upland soil than most varieties.

Pkt. 10c; oz. 30c; 4 oz. 85c; lb. \$3.00

### Prize Taker

This onion has become a great favorite on account of its large size and great solidity. It is perfectly globe-shaped, with straw-colored skin; the necks are very small and the onions always ripen up hard. An excellent keeper, exceedingly fine, mild flavor and a very popular and profitable variety. (See cut.)

Pkt. 10c; oz. 35c; 4 oz. \$1.25; lb. \$3.50

### Australian Brown

An extra early, sure cropping variety, with long keeping qualities. A sweet, mild flavored onion, with crisp, white flesh, covered with a bright reddish-brown skin. Largely used for growing onion sets and equally good for market purposes.

Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.00

### Southport White Globe

An enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin and considered one of the handsomest varieties grown. Planted extensively by gardeners for green onions. Highest quality, American grown.

Pkt. 10c; oz. 45c; 4 oz. \$1.50; lb. \$5.50

### White Portugal or Silverskin

The finest flavored of all the white-skinned onions. Quite early, half-globe shaped, a fine cropper; very firm and an excellent keeper. Excellent for bunching green, or for pickling, if grown close so as to hold the size down. A good all-around sort.

Pkt. 10c; oz. 35c; 4 oz. \$1.25; lb. \$4.50

### White Barletta—Queen

An early white variety; prized for home gardens for pulling green or for pickling. A quick grower, fine mild flavor, excellent quality.

Pkt. 10c; oz. 35c; 4 oz. \$1.25; lb. \$4.50

### Crystal White Wax

A large, pure white, flat onion. During the last few years it has become very popular. Extremely early and one of the mildest and sweetest of all. It is very fine for slicing, the color being so clear and pure. We offer the genuine true imported seed.

Pkt. 10c; oz. 50c; 4 oz. \$1.75; lb. \$6.00



Routledge Prize Taker

### Southport Red Globe

A large globe-shaped onion and the most handsome red variety. Matures in the early fall. Flesh white, crisp and of high quality.

Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.75

### Yellow Globe Danvers

One of the most extensively used yellow onions. Bulbs of good size, uniformly globe-shaped, with small neck, and ripen very evenly. Flesh white, crisp and of mild and excellent flavor. An enormous yielder and a fine keeper. We offer a select strain, unsurpassed. A variety always in demand.

Pkt. 10c; oz. 35c; 4 oz. \$1.00; lb. \$3.50

## ONION SETS

NOTE.—Onion sets subject to market changes; write for quantity price.

**BOTTOM ONION SETS.**—These small onions are grown from seed that have been sown too thick to attain a large size. The small onions (about 1/2-inch in diameter), thus obtained are planted out and are ready in a short time to pull as green onions for the table. **BROWN OR YELLOW.**

Per lb. 25c; 5 lbs. \$1.00, postpaid. Write for quantity prices.

**WHITE SILVERSKIN SETS,** lb. 35c, 3 lbs. \$1.00.

**TOP SETS,** lb. 40c; not postpaid, 30c.

**Shallots.**—Valuable for bunching or for an early crop. Each bulb makes from 3 to 5 green onions.

Per lb. 35c; 4 lbs. \$1.25; prepaid

## OKRA

**IMPROVED DWARF GREEN.**—Very productive; long, slender green pods.

Pkt. 5c; oz. 15c; 4 oz. 30c

# Highest Quality POTATOES True and Pure

We offer a few varieties of special merit that we recommend. We think it is folly to plant ordinary or common stock. Many gardeners insist on the best vegetable seeds, but plant any old kind of potatoes. Get a start of some of our select seed stock and you will be more than pleased with the results.

REMEMBER.—Potato prices subject to market changes. Prices advancing.  
WRITE WHEN READY TO BUY AND STATE QUANTITY WANTED.



## ROUTLEDGE EARLY OHIO Highest Quality—True Stock

Our H. Q. strain is a strong, vigorous grower—two weeks earlier than Early Rose and a good producer, yielding a full crop of good size tubers of even, smooth growth. Every hill produces a fine lot of select, uniform size, very few, if any, unmarketable size. Unseasonable fall rains do not seem to cause "ill-shaped tubers" like in most varieties. Skin, flesh color; eyes, shallow; tubers, oblong, quite thick, with rather blunt ends. It is extra early but a good keeper. An excellent all-around potato of finest quality.

Prices: 5 lbs. 60c; 10 lbs. \$1.00; postage extra. Write for quantity prices.

## EARLY ROSE

It's hard to beat the Early Rose if the stock is clean and pure. We offer the best hand selected stock obtainable. Prices: 5 lbs. 50c; 10 lbs. 85c; postage extra.

## "EARLIEST OF ALL"

Its quick growth and early maturity combined with its excellent cooking qualities, makes it very valuable. Summer drought does not affect it, for its growth is complete before it can be injured. Plant early to obtain large size. Ready for the table nine weeks from planting, and fully matured in twelve weeks.

"Earliest of All" is a healthy, vigorous grower, does not make a second growth. Keeps as well as any late potato. A handsome, shallow-eyed, round, flattened, white-skinned potato of the finest quality. Price: 5 lbs. 60c; 10 lbs. \$1.00; postage extra. Write for quantity price.

## IMPROVED BURBANK

The standard and most popular commercial variety. We offer improved re-selected, healthy stock, grown especially for seed purposes.

Prices: 5 lbs. 50c; 10 lbs. 85c; postage extra. Quantity price on request.

## NETTED GEM

Also known as "Russet Burbank," "Yakima Gem," etc. A splendid main-crop variety, with a russet or netted skin; flesh white, excellent quality, shallow eyes. We offer healthy, heavy producing stock.

Price: 5 lbs. 50c; 10 lbs. 85c; postage extra. Quantity price on request.



## Seed Treatment

We advise dipping of potatoes in Corrosive Sublimate before planting. Ask your state or county agricultural agent for free bulletin.

Earliest of All

## AMERICAN WONDER

One of the best all-around white potatoes. A fair grower and a good producer; tubers white, generally very smooth and uniform in size, elongated, of excellent quality. Ready to use quite early.

Prices: 5 lbs. 50c; 10 lbs. 85c; postage extra. Quantity price on request.

ABOUT PRICES.—Prospect at present, Dec. 10th, is for very high prices on potatoes at planting time. When ready to buy write and state QUANTITY WANTED.

## "Highest Quality" GARDEN PEAS Hand Picked

There is a vast difference in "strains" of garden peas. You will find our stock "very superior," healthy, vigorous and true, much better than the average seed sold by wholesale seed dealers and jobbers. Plant our stock if you want "Highest Quality."

All Pea prices are postpaid. Special prices in quantity on request. Write.

Short Seed Crop This Year—Order Early.

### Alaska

An extra early, exceedingly hardy pea. Pods of perfect shape, well filled with smooth peas of good quality. Height  $2\frac{1}{2}$  feet. Can safely be planted very early.

Large pkt. 10c;  $\frac{1}{2}$  lb. 15c; lb. 30c; 10 lbs. \$2.75

### American Wonder

Well known and very popular; extra early, productive and good flavor; vines grow 10 inches high.

Pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 35c; 10 lbs. \$3.00

### Little Marvel

Very valuable variety, especially suited to small home gardens. It matures very early and produces large crops. Vines 15 and 18 inches high. The pods are dark-green, medium size, and are closely filled with peas of extra fine flavor.

Large pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 40c; 10 lbs. \$3.50

MARKET GARDENERS get special prices. Write stating kind and amount wanted.

Zellah, Wash., April 13, 1925.

Routledge Seed & Floral Co.

Dear Sirs: Please send me your Fall Catalog. I think your Duke's Delight Peas are fine. Your seeds always grow good. I will always send to you for seeds and plants.

Respectfully yours,

WM. PALLER.



Duke's Delight

### Duke's Delight

A very dwarf, extra early, delicious pea of great merit. Our own introduction. Each year increases its popularity. It's by far our largest selling Early Pea we have.

Our regular customers are now demanding it in preference to all other old standard sorts.

Duke's Delight easily outclasses these old popular kinds in productiveness, size and fullness of pods, color, sweetness and flavor. The sturdy, stocky, healthy vines grow about 12 to 14 inches high. Every grower praises it. Read reports below; we receive many like them.

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 45c; 10 lbs. \$4.00; 20 lbs. \$7.00

Every Grower Praises Duke's Delight. Read the Following

Salem, Oregon, May 8, 1925.

Routledge Seed & Floral Co.

Gentlemen: Just a word in praise of your Seed. We purchased our seeds from you last year. Everything came good, in fact, was away over the average stand and the Duke's Delight Peas are the best I have ever been able to get. Nothing like them. We were more than pleased. Respectfully yours, A. W. SMITH.

Albany, Oregon, Oct. 12, 1925.

Routledge Seed Co.

Dear Sirs: About one year ago I was in your store selecting Seeds. You proposed giving me a pound of your Duke's Delight Peas for trial; instead I purchased fifteen pounds and planted them along with Dwarf Telephone, Gradus and Alaskas.

I was more than pleased with the results, in point of earliness they surpass anything I have tried so far, even four to seven days ahead of Alaska and their ability to stand rough weather is wonderful, while the Gradus and Alaskas suffered from blight, Duke's Delight never lost a blossom and is a wonderful producer.

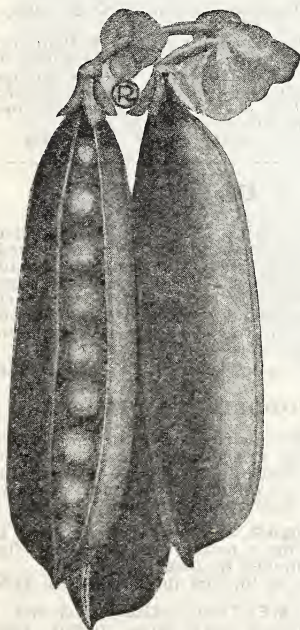
You will find enclosed my order for 100 pounds. This season instead of planting 3 or 4 varieties I am planting only Duke's Delight.

Yours truly,

S. B. DENNY.

Get the true "Duke's Delight" by ordering direct from us.

Be sure you read about Inoculating pea seed. It increases the yield and improves the soil. (See page 40.) They also claim wonders for crops seeds treated with "Semasan."



## Highest Quality Garden Peas — Continued

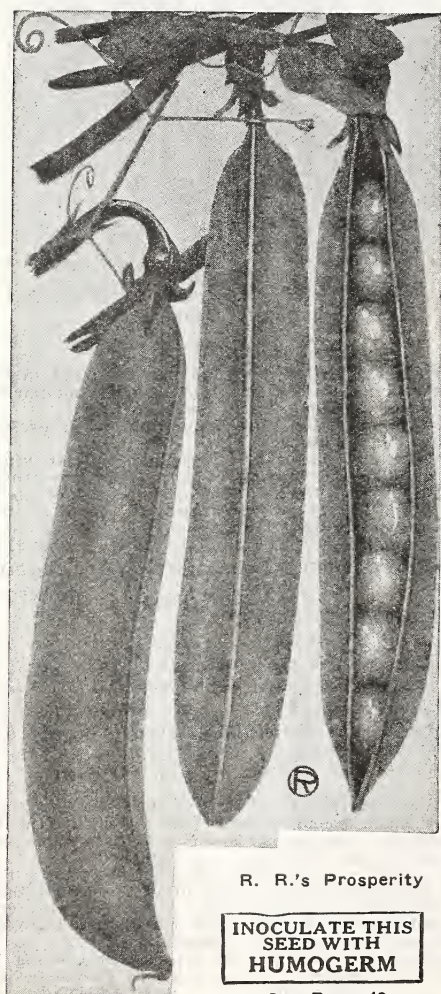
Market Gardeners who buy Peas in quantity should write us for prices, stating variety and amount wanted.

### Laxtonia

Unsurpassed among the "first early" large podded peas, of superb quality. The dwarf, sturdy stocky vines average 15 inches in height and yield an enormous crop of large, dark-green pods that average  $4\frac{1}{2}$  inches long and are tightly packed with large, deep green peas of most delicious flavor and quality. Next to "Duke's Delight" we like "Laxtonia" best for a dwarf-vined variety.

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 45c; 10 lbs. \$4.00

All Pea Prices Postpaid unless otherwise stated. Read top paragraph inside front cover.



R. R.'s Prosperity

INOCULATE THIS  
SEED WITH  
HUMOGERM

See Page 48

### R. R.'s Prosperity

The Earliest Large Podded, Sweet Garden Pea to date. It is hardy, can be planted very early. Is vigorous and robust grower; height  $3\frac{1}{2}$  to 4 feet; only a few days later than the earliest dwarf sorts.

The pods are very large, and are invariably well filled with from 8 to 10 sweet, large, tender peas of delicious flavor and quality.

The peas remain tender and sweet for some time after they are large enough to use. Its heavy yield and excellent quality makes it a most profitable market variety.

Large pkt. 15c;  $\frac{1}{2}$  lb. 20c; lb. 45c; 10 lbs. \$4.00

### DWARF TELEPHONE—DAISY

A splendid mid-season variety, growing only about 18 inches in height; vines very stout and bear a good crop of large, well-filled, bright-green pods. The pods average 5 inches in length, containing 7 to 9 large peas which are tender and sweet. A popular sort.

Large pkt. 15c;  $\frac{1}{2}$  lb. 20c; lb. 40c; 10 lbs. \$3.50

### BURPEE'S BLUE BANTAM

A very popular, dwarf variety, combining extreme earliness, superb quality and unusual productiveness. Average height of vines 15 to 18 inches. The pointed pods measure about 4 inches in length, and are well filled with large deep bluish green peas of fine flavor.

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 45c; 10 lbs. \$4.00

Hoquiam, Wash., June 23, 1925.

Routledge Seed & Floral Co.

Dear Sirs: We had your Duke's Delight peas last year and have some planted this year. We would like to have more for fall as we had some of them from the garden for our Thanksgiving dinner last year. They cannot be beat for flavor either in early or late peas.

MRS. MARY J. TAYLOR.

### Gradus

Extra early. This popular large-podded, wrinkled pea of finest quality matures pods only two or three days later than the small-podded extra earlies. Vines four feet high. It produces uniformly large, long pods, nearly round, and well filled with very large, handsome peas of the finest flavor. Very popular with market gardeners.

Large pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 35c; 10 lbs. \$3.00

### EDIBLE PODDED OR SUGAR PEAS

A great favorite with many. In the Edible-Podded or Sugar Peas the pods are gathered, broken and cooked like spring-beans when the peas start to develop in the pod or have reached about half their full size.

**DWARF SUGAR.**—Grows about 2 feet in height, producing a heavy crop of small, flat pods about 3 inches in length.

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 40c; 10 lbs. \$3.50

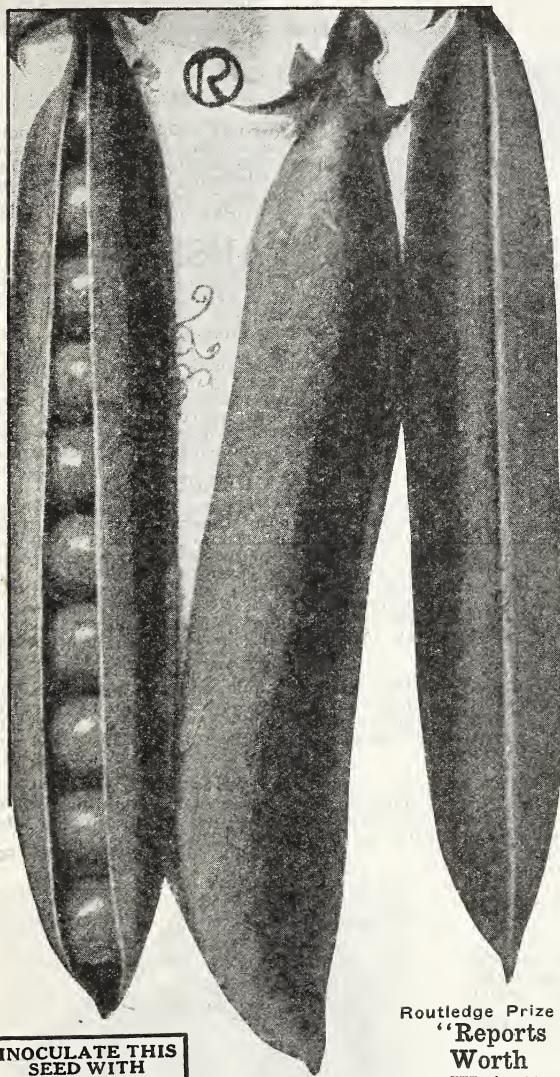
**MAMMOTH MELTING SUGAR.**—Grows 4 feet tall, producing very large, broad, flattened pods.

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 40c; 10 lbs. \$3.50

NOTE.—NEW 1925 CROP OF PEAS WAS VERY SHORT AND PRICES ARE ADVANCING—BUY EARLY. WE HAVE MADE OUR PRICES VERY LOW, QUALITY CONSIDERED.

**PEAS—CONTINUED—LARGE PODDED, LATE OR MAIN CROP**

MARKET GARDENERS WHO BUY IN BAG LOTS SHOULD WRITE FOR SPECIAL PRICES, STATING KINDS AND AMOUNTS WANTED



**INOCULATE THIS  
SEED WITH  
HUMOGERM**

Routledge Prize  
"Reports  
Worth  
While"

Lowell, Wash., Oct. 22, 1925.

Just a few words on your Routledge Prize Pea. I have planted many different kinds of Peas but Routledge Prize Pea excels them all. In fact, all the seeds I have gotten from you have been very satisfactory. Yours sincerely,

JNO. D. SMITH.

Tillamook, Oregon, Feb. 20, 1925.

Routledge Seed & Floral Co.

Gentlemen: We have used your Seeds for several years and have found them very satisfactory. We think your Prize Peas are the very best we ever used and we have gardened for 50 years. Please send us your Fall Catalog of Bulbs when it is out. MRS. D. L. PRICE.

**TELEPHONE**

One of the most popular sort for main crop. Vines attain a height of  $4\frac{1}{2}$  feet, bearing profusely the extra long, handsome large pods full of large, tender, sweet peas of superb flavor. We offer a very carefully rogued, select strain of unusual merit.

Large pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 35c; 10 lbs. \$3.00; 25 lbs. \$6.00, postpaid.

**ALDERMAN**

Excellent market variety. The large, dark-green pods, filled with big, sweet flavored peas, bring fancy prices and sell rapidly. Vines tall and vigorous; main or late crop variety.

Large pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 40c; 10 lbs. \$3.25.

**IMPROVED  
STRATEGEM**

A very productive, vigorous, semi-dwarf variety with large, dark-green pods, always well filled. In quality it is unsurpassed. Vines very stocky and need little or no support.

Large pkt. 10c;  $\frac{1}{2}$  lb. 20c; lb. 35c; 10 lbs. \$3.00.

**Routledge Prize**

A new, sweet, wrinkled mammoth podded Pea of extra value. (Read reports.)

This new strain from New Zealand will be found true to name. A strong, sturdy, healthy grower. Vines and pods are a rich green. A bushel of Routledge Prize pods will shell out nearly twice as many peas as a bushel of most kinds. The vines are enormously productive, being completely covered with immense long pods, well filled with from 8 to 11 large peas of the richest flavor. This variety grows 4 to 5 feet high and as an abundant cropper is superior to all other tall sorts.

Nothing in the line of peas excels the Routledge Prize in richness, sweetness and flavor. We are sure our customers will agree with us after testing this new pea. (See cut.)

Large pkt. 15c;  $\frac{1}{2}$  lb. 25c; lb. 45c; 10 lbs. \$4.00.

Siletz, Oregon, Jan. 27, 1925.

Routledge Seed & Floral Co.

Dear Sirs: Enclosed please find check for \$11.40. I like YOUR SEEDS BEST OF ALL.

MRS. H. H. FISH.

Remember, a little extra cost at planting time will bring "dollars" or greater satisfaction at harvest time. All pea prices are postpaid. Write for quantity price.

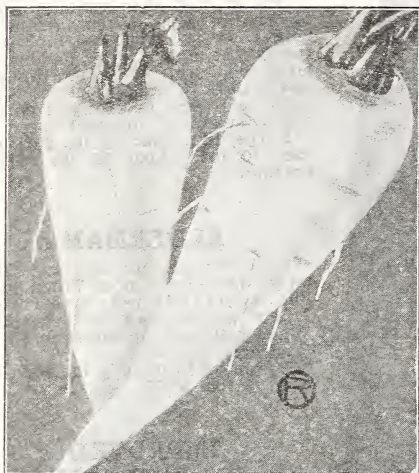
## PARSLEY

**CHAMPION MOSS CURLED.**—A very choice English strain, having the greatest possible curl to the leaves and the darkest green color; a beautiful variety, a vigorous grower, and will stand heat and drought better than any other.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25



Moss Curled



Hollow Crown Parsnips

## PEPPER

Plant seed early in the spring; cultivate same as for tomatoes. Plants in season. See Vegetable Plant List, page 37.

### Chinese Giant

The largest of all the bull-nosed varieties, thick meated; claimed to be very sweet and mild, but recently we have heard many reports to the contrary. Brilliant, glossy scarlet when ripe. Excellent for stuffing.

Pkt. 10c; ½ oz. 35c; oz. 65c; 4 oz. \$2.00

### Ruby King

A strong, healthy, hardy grower; very productive; fruit extra large, thick and well formed. They ripen ruby scarlet. The flesh is extremely thick, sweet and mild.

Pkt. 10c; ½ oz. 35c; oz. 60c; 4 oz. \$2.00

### Anaheim Chili

New imported type, desirable above all others for culinary use because of its agreeable pungency for canning. Fruit scarlet, round and pointed, 6 to 7 inches long., 1 to 2 inches thick. Pkt. 10c; ½ oz. 35c; oz. 60c; 4 oz. \$2.00

### Pimento (Perfection)

This is a sweet pepper, one you will enjoy eating in salad, either fresh or canned. Fruit medium in size, very thick flesh and wonderful mild flavor. We offer a very select strain.

Pkt. 10c; ½ oz. 35c; oz. 65c

### Large Bell or Bull Nose

A very prolific variety, producing good sized, mild, thick fleshed fruit. Fine for salad and stuffing. Very popular with all gardeners. Pkt. 10c; oz. 65c; 4 oz. \$2.00.

**RED CHILI.**—A small, pointed, bright red variety. The pods are very pungent and hot; very productive. Pkt. 10c; ½ oz. 45c; oz. 75c

**CAYENNE.**—Medium long, narrow, pointed, red pods; very hot and strong; popular variety. Pkt. 10c; ½ oz. 45c; oz. 75c

**HAMBURG TURNIP ROOTED.**—The root is the edible portion of this variety and resembles a small parsnip in color and shape. Used extensively for flavoring soup, stews, etc. Foliage same as plain parsley.

Pkt. 10c; oz. 20c; 4 oz. 45c

## PARSNIP

While highly appreciated for the table, the great value of the parsnip for stock feeding is but little known. The roots are very rich in saccharine food, adding to the richness of the milk when freshly dug and fed to cows.

**Culture.**—Sow as early in the spring as the weather will admit in drills 18 inches apart and ½-inch deep, in a rich, deep soil; thin out 3 to 6 inches apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use.

### GUERNSEY

The roots are medium long, with a broad shoulder, gradually tapering downward. The white skin is smooth and attractive. Guernsey is considered the best and most productive of the long parsnips. The fine-grained, tender, and sweet flesh makes it essentially a table variety, but it is also grown for stock-feeding on account of the immense yield.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50, postpaid

### HOLLOW CROWN

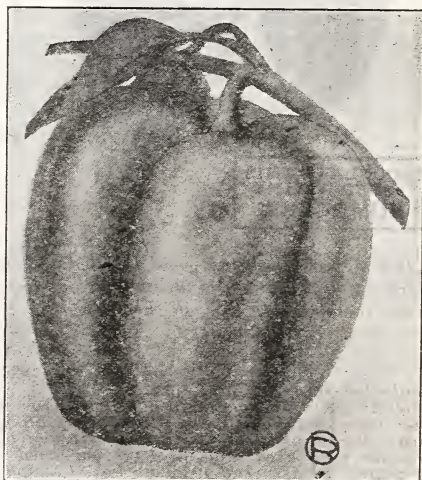
Well known popular variety, with long, tapering roots, very smooth and of the finest quality. Derives its name from a depression at top of crown or root; very fine table sort.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### EARLY SHORT ROUND

This is the earliest of all parsnips, and for this reason widely grown in the home garden. Fine for shallow soil.

Pkt. 10c; oz. 25c; ¼ lb. 50c;



Large Bell or Bull Nose Pepper

**DO YOU SEND EAST for your Seeds?** It's bad policy. Spend your money on this Coast. Here's where you sell your products. Our seeds are highest quality and priced right.

## PUMPKIN

DOUBLE THE YIELD AND SIZE OF YOUR PUMPKINS by using a handful of "MARVEL" Fertilizer to each hill, and be sure you mix it well with top soil. (See page 38.)

### Winter Luxury

An enormously productive variety of medium size and superior keeping qualities. Of rounding shape, somewhat flattened; golden orange color with heavy netting. Rich, thick, golden flesh; sweet and tender. The best pumpkin for pies.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### SMALL SUGAR

The New England pie pumpkin. Small, bright orange color. Flesh deep yellow, fine quality. Matures early.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### KING OF MAMMOTHS

The largest of all; grow this variety to win the prizes at the fair.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

### Connecticut Field

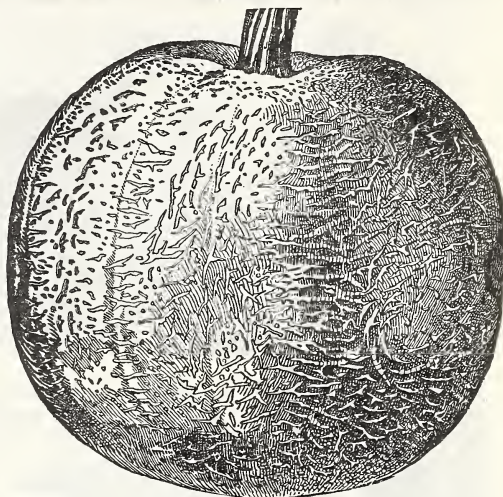
Popular for field culture and excellent for stock.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### Large Sweet Cheese

A very large variety; fruit flattened, yellow when ripe. Flesh yellow, very thick and tender; very nutritious and of excellent quality; a most productive and heavy yielding variety.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00



Winter Luxury Pumpkin

## Well pleased customers that help us succeed

Kalama, Wash., Mar. 14, 1925.  
Routledge Seed & Floral Co.

Gentlemen: We find the Duke's Delight Pea surpasses any early pea we ever raised. My boy this year has a school garden and wanted Duke's Delight Peas only, so am sending this PAGES 17 to 27— Uh..... orders as ours are all planted.

MRS. E. H. SMITH.  
Gervais, Oregon, Mar. 3, 1925.

Routledge Seed & Floral Co.

Dear Sirs: Early May King Lettuce is wonderful. We hand fine lettuce until the middle of July and the Hollow Crown Parsnip are just wonderful. I am going to send in an order for some more seeds this spring.

Yours truly,

MRS. N. D. LORON.

Kerby, Oregon, Jan. 20, 1925.

Routledge Seed & Floral Co.

Gentlemen: As my son is sending for a small order of Vines, I want to say we have been getting most of our seed from you for the last two years and have been well pleased with them. Find that they always come true to name. I will send for my vegetable seed later.

MRS. J. FATTIG.

Rathdrum, Idaho, Jan. 22, 1925.

Routledge Seed & Floral Co.

Gentlemen: Please send me a copy of your latest catalog. I bought seeds of you several years ago and found them of extra good quality.

Yours respectfully,

JENNIE M. CULP.

## RHUBARB or PIE PLANT

VICTORIA, OR MAMMOTH.—Very large; excellent variety.

Pkt. 10c; oz. 20c; 4 oz. 50c;

RHUBARB ROOTS.—From October to June. Customers will save much valuable time ordering roots instead of seeds. For prices, etc., see page 112.

## WINTER RADISHES

The merits of Winter Radishes are little appreciated. These grow to large size and keep well for winter and spring use. Sow seed in July and August. Early planting is not advisable.

### NERIMA—Japanese Long White

A late fall and winter radish. It grows from 12 to 30 inches long and about 2 inches in diameter. Skin white and smooth, flesh firm, crisp, tender and mild.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00

LONG BLACK SPANISH.—Very popular; latest, as well as the hardiest. Roots of medium size, oblong, black.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 90c

ROUND BLACK SPANISH.—Three or four inches in diameter; flesh white; good keeper.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 80c

CALIFORNIA MAMMOTH WHITE.—Also called Chinese White Winter or Celestial. A long, thick, stump-rooted variety. Pure white. The flesh is tender and crisp, keeping well through the winter.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25

CHINA ROSE.—Bright rose color, flesh firm and piquant, largest at the bottom. One of the best. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

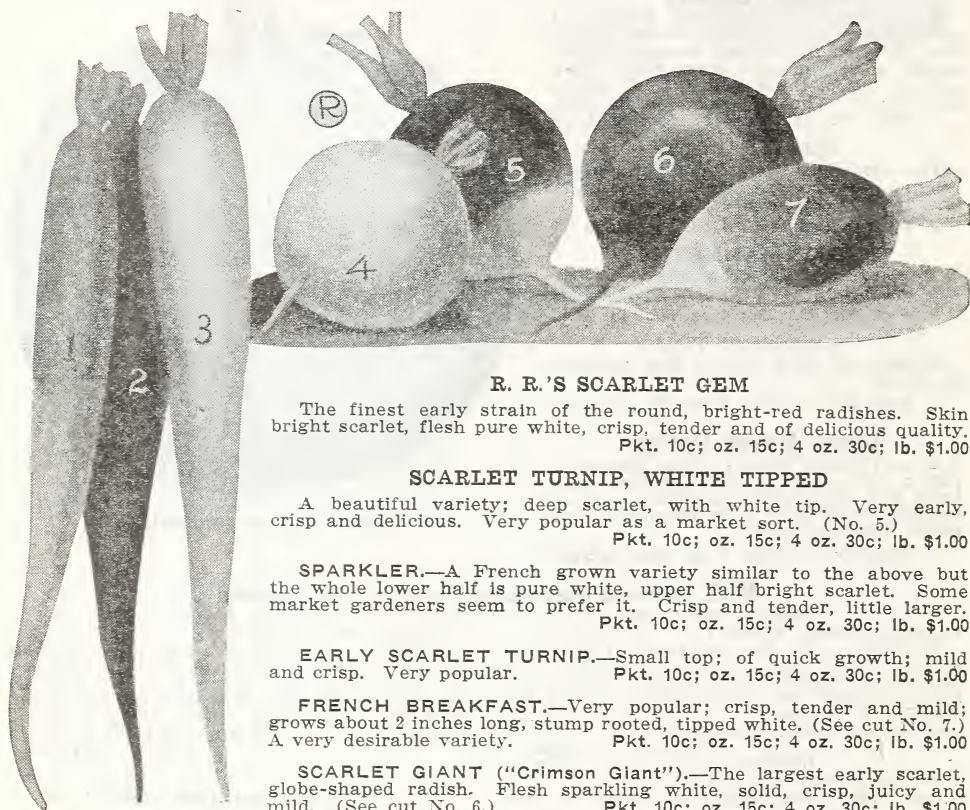
**DON'T GROW WORM-EATEN RADISHES.** Use "Carco"—New Discovery. See page 120.

"Highest  
Quality"

## RADISH — Continued

"Highest  
Quality"

REMEMBER.—For a continuous supply of crisp, tender Radishes, sow seed every week, as they remain in "prime" condition only a few days after attaining full size. Use "C-M," page 38.



### R. R.'S SCARLET GEM

The finest early strain of the round, bright-red radishes. Skin bright scarlet, flesh pure white, crisp, tender and of delicious quality.  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

### SCARLET TURNIP, WHITE TIPPED

A beautiful variety; deep scarlet, with white tip. Very early, crisp and delicious. Very popular as a market sort. (No. 5.)  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

SPARKLER.—A French grown variety similar to the above but the whole lower half is pure white, upper half bright scarlet. Some market gardeners seem to prefer it. Crisp and tender, little larger.  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

EARLY SCARLET TURNIP.—Small top; of quick growth; mild and crisp. Very popular.  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

FRENCH BREAKFAST.—Very popular; crisp, tender and mild; grows about 2 inches long, stump rooted, tipped white. (See cut No. 7.) A very desirable variety.  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

SCARLET GIANT ("Crimson Giant").—The largest early scarlet, globe-shaped radish. Flesh sparkling white, solid, crisp, juicy and mild. (See cut No. 6.)  
Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

### WHITE ICICLE

It is not only crisp and tender when young, but retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sorts. (See cut No. 3.)

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25

LONG BRIGHT SCARLET, WHITE TIPPED.—The brightest and handsomest long scarlet radish. Of excellent quality. (See cut No. 1.)

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25

EARLY SNOWBALL (Model White Box).—Early, clear white, solid, juicy, crisp, tender and unsurpassed in flavor. (See cut No. 4.)

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 75c

LONG SCARLET.—Grows perfectly straight and smooth, 6 to 7 inches in length; skin scarlet, very thin; the flesh crisp, brittle and of delightful flavor. (See cut No. 2.)

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

**DON'T GROW WORMY RADISHES.** There is no use of it, since we offer "Carco" Vegetable Spray. It will keep the maggots away from the roots and is very inexpensive to use. See page 121.

## SALSIFY OR VEGETABLE OYSTER

One of the most desirable winter vegetables. The roots when cooked are very palatable and nutritious and are served in a variety of ways. The flavor is similar to oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill-shaped. Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy and may remain out all winter. Frost does not injure the roots; may be stored in a pit or in a very cool cellar.

MAMMOTH SANDWICH ISLAND.—This variety is large and strong, growing with long, smooth, white, tapering roots, and is less liable to branch than the other sorts. It is invaluable for market gardeners' use.  
Pkt. 10c; oz. 15c; 4 oz. 50c; lb. \$1.25

**EVER USE A LANTERN?** If you do, investigate DAD'S ELECTRIC—always ready—no danger from fire; makes "night time a light time." Write for pamphlet.

## SQUASH

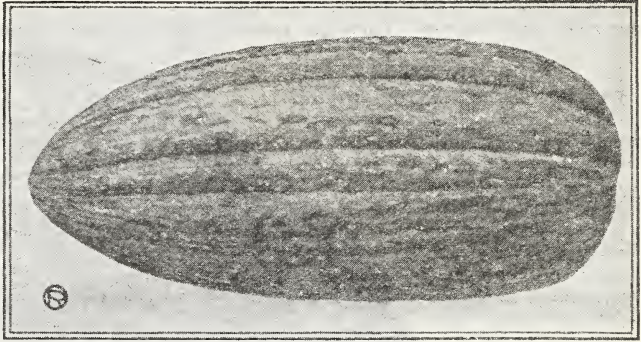
### Delicata Squash

Often produces 15 to 20 fruits to a vine; very fine flavor and quality.

Ready almost as soon as the early summer sorts, and remains in perfect condition a long time. Fruit about 9 inches long (see cut). Color when ripe yellow, striped and marbled with dark olive-green.

Flesh thick, of fine texture, excellent quality, pale yellow; turns out dry, mealy and sweet either baked or boiled. Excellent for pies.

Lb. 10c; oz. 20c; 4 oz. 45c; lb. \$1.50.

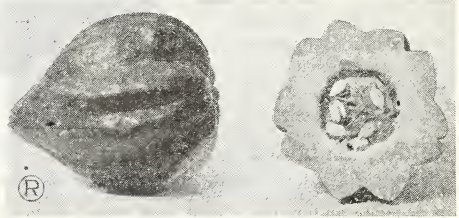


Delicata—All Season

### DANISH—TABLE QUEEN

An ideal table squash, just the right size, averaging about 7 inches long and 5 inches thick. Very popular and much in demand by our produce merchants. Color dark green and shows a splash of orange red on ground side when ripe. Vines vigorous and very productive. Shell hard and smooth and ridged. Cut in half and bake in the shell—try it. Fine grained and finest quality. None better. Ripens in the fall and keeps as long as a "Hubbard".

Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$2.00



Danish Table Queen

### GOLDEN SUMMER CROOKNECK

Large size, early and very prolific. Our strain is of the true crookneck type, heavily warted and of rich golden color. Excellent quality. A very popular summer bush squash for home and market.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.25

### MAMMOTH WHITE BUSH SCALLOP

Large, early, clear, creamy white. The stock we offer is exceptionally true to type. Very popular, excellent quality fried or stewed.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.25

### GOLDEN CUSTARD BUSH SCALLOP

An extra early summer variety of good size and excellent quality, very prolific.

Pkt. 10c; oz. 15c; 4 oz. 45c; lb. \$1.25

### Banana Squash (See cut)

Grows 1½ to 3 feet in length. The skin varies from dark olive-green to slate color outside. Flesh firm, very thick, finest quality and rich orange. When quite young it is excellent to cook as a marrow. Ready early in the fall and will keep until late spring. In demand and a very popular variety.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

## THE GARDEN GUIDE

and other up-to-date and valuable books on gardening listed on page 124.



Banana—Fall and Winter Squash

NOTE—Apply "H. Q." and "Q. A." fertilizer (page 38) to each hill of squash and double your crop. Use "Bug Death" powder if troubled with squash beetle—it's great dope.

Lowell, Wash., Oct. 22, 1925.  
Routledge Seed & Floral Co.

Dear Sirs: When you sent my order of garden and flower seeds you sent a trial packet of Squash Seed—New Danish Table Squash (Table Queen) and asked me to give it a trial and report results. I will say I gave it a favorable trial, planting it in the best soil I have. I cannot praise them too highly. In flavor my family claims them the best they have ever eaten. Their production is wonderful, bearing from four to ten to a vine.

Yours sincerely, JNO. D. SMITH.

### ENGLISH VEGETABLE MARROW

Creamy white. A favorite English variety about 12 inches long. Flesh tender, delicious.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.25

### IMPROVED BOSTON MARROW

A popular variety for canning; large oval fruit; skin bright reddish-orange, with light cream netting; flesh rich orange, fine grained and of excellent quality.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### MAMMOTH CHILI

Grows to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

## Squash — Continued

**DOUBLE** the yield of your squash by using a cupful of "MARVEL" Q. A. Fertilizer well mixed with the soil to each hill. (See page 38.) You know the richer your ground, the larger the yield, and "Marvel" Fertilizer certainly contains more plant food than any other brand.

### True Hubbard

One of the best of the winter squashes. Vines vigorous and very productive. Fruit large, heavy, moderately warted with very hard shell. Skin uniformly dark bronze-green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Can be kept in good condition until spring. Our seed is carefully selected and is much superior to most offered.

Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.25.



True  
Hubbard  
Squash

### Golden Hubbard

The same shape and high quality as the well known Hubbard Squash except that it is a rich golden color and somewhat warted. It is also a long keeper; considered by expert judges to be one of the very best fall and winter sorts yet introduced. Matures early; is vigorous and wonderfully productive. Flavor and quality unsurpassed.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25

### "SNAROL" FOR SLUGS AND SNAILS

At last we have a real prepared meal feed for Garden Snail and Slimy Slugs that do so much damage in vegetable and flower gardens, hotbeds and greenhouses. It's guaranteed—if directions are followed. See page 122 for more information.

## SPINACH

Spinach supplies the most healthful greens we have. Hardy and easy to grow. Sow 1 inch deep in rows 15 to 20 inches apart and thin out plants to 3 inches apart. Sow seed in March and April, August and September. Does not mature well in hot weather, (New Zealand excepted).

### BIG CROP

#### New Giant Spinach of Real Merit

First introduced in 1924 and is highly praised by those who have tried it. **Big Crop** is a quick growing, large-leaved variety, and will produce an immense crop quicker than any other, yet it will stand long before bolting and is resistant to "blight." Leaves large and upright, almost smooth, and of excellent color and quality.

Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.00



"Big Crop" New Spinach.

**KING OF DENMARK.**—This new variety of spinach impressed us very favorably when tested. The plants form compact bushes with round, thick leaves which are a rich dark green and much crumpled. It stands unusually long before bolting to seed. Excellent quality. It is a heavy cropper.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 90c

**IMPROVED THICK-LEAVED.**—A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked. Very popular variety. For spring or early fall.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 65c

**LONG STANDING.**—Of excellent quality; slow going to seed. Remains in good condition longer than most. Dark rich green.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 65c

**BLOOMSDALE SAVOY LEAVED.**—Of upright growth; leaves broad and pointed dark green, fine quality. A hardy, rapid grower. Fall or spring.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 65c

**PRICKLY WINTER.**—Very desirable; very hardy; bears large, thick, broad pointed leaves. A fine winter variety.

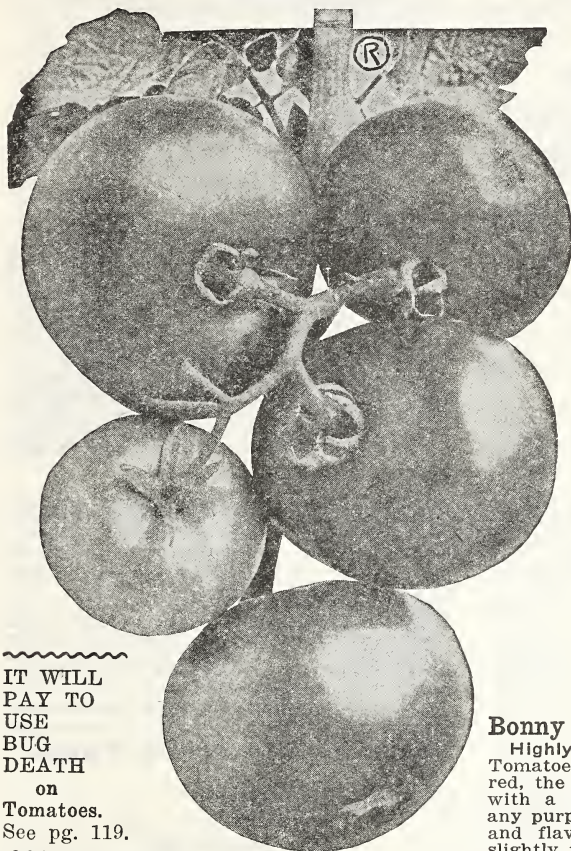
Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 65c

Special—10 lbs. any kind Spinach 10c less per lb.; 25 lbs. 15c less per lb.

Tomato Plants  
in any quantity

## TOMATO

See Vegetable Plants,  
page 37



IT WILL  
PAY TO  
USE  
BUG  
DEATH

on  
Tomatoes.  
See pg. 119.

### Spark's Earliana

Remarkable for its earliness, large size, uniform shape, attractive red color, and productiveness. The fruit is solid and the quality is all that could be desired. The leading early market variety. We offer a carefully selected strain of superior merit.

Pkt. 10c; ½ oz. 25c; oz. 40c; 4 oz. \$1.10; lb. \$4.00

### New Burbank

A wonderful new variety, claimed to be the earliest, smoothest, solidest, most productive, bright scarlet tomato, with a skin that will "peel" easily. Highly praised by those who have tried it.

Pkt. 10c; ½ oz. 35c; oz. 60c; 4 oz. \$2.00

### Comet

The Best Tomato for Greenhouse Forcing.—A recent variety, matchless in form and color. Beautiful, smooth, round fruit in great abundance. Color a rich scarlet red. Sets very freely in bunches. Equally good for outdoor culture as for forcing.

Pkt. 10c; oz. 35c; 4 oz. \$1.25

**DWARF CHAMPION.**—Forms a strong, compact, upright, bushy plant 2 feet high; often sold as Tree Tomato. Fruit smooth, medium sized, solid and of good flavor.

Pkt. 10c; oz. 50c; 4 oz. \$1.50

**YELLOW OR RED PEAR.**—Used for preserves. Fruit small, distinctly pear shaped. Sweet and free of acid.

Pkt. 10c; oz. 60c

Tomato Plants in any quantity.

## Routledge Special

If you want the "Best" extra early bright scarlet tomato, plant our new "Routledge Special." Our seed is grown under contract by the best tomato expert on this Coast. Compared with the best strains of other early varieties it grows a more vigorous, healthier vine, and produces more ripe fruit extremely early and throughout the entire season. Fruit medium size, almost round. Very smooth and free of cracks, a beautiful, bright, scarlet, very solid and firm, but tender meat and of superior quality. What more could you want? Try it and report. Only "early orders" booked for plants in season, at 20% higher than standard sorts. (See report below.)

Pkt. 15c; ½ oz. 40c; oz. 60c; 4 oz. \$1.75; lb. \$5.00.

### Chalk's Early Jewel

Our most popular, large, smooth, fine flavored, extra early, bright red tomato. A heavy cropper, of large size; excellent fruit freely produced throughout the season. The plants are healthy and strong. Excellent market variety; very solid and deep through, being almost round; ripening to the stem with few cracks or green cores. The flesh is thick, solid, of fine flavor, with few seeds.

Pkt. 10c; ½ oz. 25c; 1 oz. 40c; 4 oz. \$1.10; lb. \$4.00.

### Bonny Best

Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem.

Pkt. 10c; ½ oz. 20c; oz. 35c; 4 oz. \$1.25; lb. \$4.25

### Husk or Ground Cherry

Used for preserves and eating from the hand. The seed we offer is that of the true Yellow Ground Cherry, not the purple-fruited sort, which is scarcely edible.

Pkt. 10c; ½ oz. 30c; oz. 50c

**RED OR YELLOW CHERRY.**—Fruit small, about ½-inch in diameter; perfectly round and smooth; fine for pickles and preserves.

Pkt. 10c; oz. 60c

Fort Dick, Calif., Oct. 16, 1925.

Routledge Seed & Floral Co.

Dear Sirs: Enclosed find money order for \$2.00 to pay for four ounces Routledge Special Tomato Seed, and please ship by Parcel Post to my address.

Routledge Special Tomatoes are the best all-around early tomatoes that I have ever grown or used. I had tomatoes August 5th this year. They certainly are wonderful. I have used them for two or three years now.

Sincerely,

OSCAR BRUNDIN.

## TOBACCO

Culture practically same as cabbage. Havana or Connecticut Seed Leaf.—Both good, hardy varieties for general planting here.

Pkt. 10c; oz. 75c

See Vegetable Plant list, page 37

## HIGHEST QUALITY

## TURNIPS

## PURE STRAINS

For spring use sow very early in rich, loose ground. They must make a quick growth to be tender and sweet. For fall and winter use sow in July, August or early September.

## Extra Early

## WHITE MILAN TURNIP

An excellent table turnip, and the earliest of all varieties; adapted for very early spring or fall planting. The tops are small; the bulbs of medium size, flattened, and ivory-white in color. The flesh is fine-grained, tender, and of mild, sweet flavor. It remains in good condition for some time, but for tender, crisp roots all season, plant less at a time and every 10 or 14 days.

Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50

## Extra Early Purple Top Milan

This variety is ready for table as early as White Milan; an equal to it in every way; flesh white, firm and delicate.

Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50

## Orange Jelly, or Golden Ball

Delicate and sweet, yellow flesh, medium in size, firm, crisp and most excellent flavor; keeps well and is superior as a table variety.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c

## Early White Flat Dutch

A leading white fleshed variety; either for the family, market garden or field crop; it is medium size and produces a large crop; the flesh is firm, but tender, and of a superior rich, buttery flavor; a good keeper.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. \$1.00

## Early Snowball

A superior table variety, meltingly tender, with snow-white flesh. Matures six weeks after sowing; medium size, smooth and perfectly globular.

Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 75c

## White Egg

Is perfectly smooth, of a pure clear white; a very choice kind for table use; of excellent flavor, sweet and mild; pulls clean from the ground; thin, snow-white skin. Egg shaped. Excellent market variety.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

For valuable and "up-to-date" books on Gardening and Poultry, see pages 124-125.

## Best of Success

Crescent City, Calif., Jan. 9, 1925.

Routledge Seed & Floral Co.

Sirs: Kindly send me your 1925 Seed Catalog as I will soon be in the market again for seed and always having had the best of success with your seed, I sort of rely on them.

Very truly yours,

A. L. GASTMAN.

## Early Purple Top (Strap Leaved)

One of the best and universally grown; flesh firm, but very tender and sweet; of quick growth. As it attains large size it is profitable for stock, keeps well.

Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 90c

## Purple Top White Globe

A very heavy cropping, globe-shaped variety, with white skin and sweet, tender flesh, excellent flavor and much in favor with the market gardeners. Grows quite large.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

## Yellow Aberdeen

Round, medium size, light yellow; produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet; a great favorite with the dairymen for feeding cows.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

## Cowhorn (Long White)

Slightly crooked, pure white, except a little shade of green at the top; grows half out of the ground and is of very rapid growth. Has proved itself one of the best stock turnips ever introduced in Oregon.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

## Raise No More Wormy Turnips

Use

"Carco"

1 part to 125 parts water

Or "Mag-o-tite"

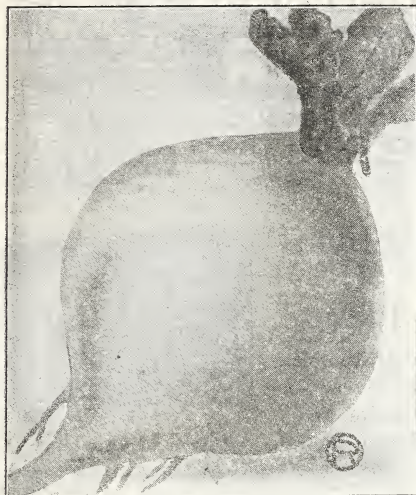
A Powder

A wonderful remedy for destroying maggots, grubs and worms which infest Turnips and root crops.

A marked increase in vigor and growth following its use. See pages 121-122.



Extra Early White Milan Turnips



American Purple Top

## RUTABAGA — SWEDES

For feeding stock in fall and winter there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock, and serve to keep them in good condition.

### Improved American Purple Top

The leading and most popular variety, being very distinct in type, attaining a wonderfully large size; immense yielder; the flesh is very firm, cream yellow, fine grained, sweet and tender. Excellent both for table and stock feeding. Keep all winter.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

### White Sweet Russian

This variety is most excellent either for table or stock; it grows to a very large size; flesh white, solid, of a firm texture, sweet and rich, an excellent keeper.

Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00

## HERB SEEDS

Pot, Sweet and Medicinal

Herbs in general delight in rich, mellow soil. Those marked with a (\*) are perennial.

All the Flowering Herbs 10c per Packet, unless Otherwise Priced

	Oz.
Anise.—Seeds aromatic; used medicinally.	35c
*Balm.—For culinary purposes.	60c
Basil.—Sweet; for flavoring soups.	50c
Borage.—For flavoring; also bee pasture.	50c
Caraway.—For flavoring	25c
*Catnip.—Mild nervine; pkt. 15c.	\$1.40
Coriander.—Used for flavoring.	25c
Dill.—Used medicinally and for pickles.	25c
*Fennel.—Flavor of Celery	25c

	Oz.
*Horehound.—Bitter; for tonic.	75c
*Hysop	75c
*Lavender.—True, for fragrance.	70c
*Marjoram.—Sweet, for flavoring.	50c
*Rosemary.—Aromatic oil, pkt. 15c.	\$1.00
Summer Savory.—For flavoring	50c
*Sage.—For tea flavoring and dressings.	75c
*Thyme (broad leaf).—For soup, pkt. 15c.	\$1.25
*Wormwood.—Medicinal use	75c

## VEGETABLE PLANTS

We grow large quantities of choice vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We can supply all vegetable plants in TWO GRADES—plants "PULLED" direct from the seed beds AND THOSE that have been TRANSPLANTED into shallow boxes. Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. Tell us your choice of varieties, and we will send it or give you a good substitute. NO PLANTS SENT C. O. D. Write for prices on 5 to 10 thousand lots.

NOTE.—Dozen and 100 prices are postpaid; 25c less per hundred if called for. We will send 1,000 lots by express at your expense, unless you wish to send extra money to pay packing and postage.

### CABBAGE, GARDEN KALE, COW KALE

	Dozen	100	1,000
Early or late, transplanted..	\$.25	\$1.25	\$8.00
Pulled after May 15.....		.85	6.00

When ordering Kale be sure and state whether the Curly Garden or Cow Kale is wanted.

### CAULIFLOWER AND BROCCOLI

#### PEPPER AND BRUSSEL SPROUTS

	Dozen	100	1,000
Transplanted .....	\$.30	\$1.50	\$10.00
Late kinds, transplanted...	.30	1.25	8.50
Broccoli pulled after June 1.		.85	6.00

### CELERY AND CELERIAC T. R.

	Dozen	100	1,000
Leading kinds, transplanted..	\$.30	\$1.25	\$8.50
Pulled after May 15.....		1.00	7.50

NOTE.—Pot grown tomato plants should have all the dirt left on the roots and are not available.

### TOMATOES

Dozen 100 1,000

Leading kinds, our selection,			
transplanted .....	\$.35	\$1.50	\$10.00

We do not sell "pulled" plants. They give poor satisfaction.

Pot Grown Tomato Plants.—These large plants give the most profitable results. Cannot be mailed. Prices: 3-in. pots, 15c each; \$1.50 doz.; 4-in. pots, 20c each; \$2.00 doz.; must go by express, charges collect.

### SWEET POTATO PLANTS

Dozen 100 1,000

Sweet Potato Plants.....	\$.50	\$2.00	\$15.00
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Send your orders in early, we'll fill in proper season, from May to July 10. Oregon grown, best varieties.

Chives. (Schnittlauch).—Per bunch, postpaid, 25c.



## Marvel "Q. A."

(Q. A. Quick Action)

ODORLESS FERTILIZER

For vegetable and flower beds, lawns, fruit and berry bushes, trees, shrubs and roses, ferns, palms and house plants.

The best fertilizer for the city gardener; clean and odorless. Remember, it's all fertilizer; no filler, almost 100 per cent soluble and a Marvel in action, a giant in strength, and the small amount necessary to use makes it the cheapest and most efficient high-grade fertilizer on the market, and, last but not least, it is odorless.

In "Marvel" we have a meritorious and odorless fertilizer, put up in concentrated form, thereby making it inexpensive to send by parcel post, express or freight. Being a concentrated fertilizer, only a very small amount is required to produce the largest yield, a spoonful to a plant, a handful to a hill of potatoes, etc.

Remember, a 25-lb. bag of Marvel Q. A. is equal in plant food to 100 lbs. of most any other commercial fertilizer on the market. A complete and balanced plant food, very rich and strong, therefore must be used with caution. (Always mix it well with the soil—never put it directly on seed or roots.)

**PRICES.**—2-lb. carton (not postpaid), 25c. P. P. wgt. 2½ lbs. 25-lb. bag, \$1.75; 100-lb. sack, \$6.00. Full directions with each lot.

**MAIL.**—If wanted by parcel post, add postage. "Marvel" is odorless and 25-lb. bags will go by mail cheaper than express or freight in most cases.

**NOTE.**—Three sacks H. Q. SHEEP and one 25-lb. sack "MARVEL" mixed together will make a very rich combination fertilizer, that will prove highly satisfactory for all uses, as it would be very rich in plant food and supply the necessary humus for heavy soils. A WONDERFUL TOP DRESSING FOR LAWNS AND UNEQUALED, FOR GENERAL GARDEN USE.

## NITRATE OF SODA

It is very quick in action, stimulating rapid growth. Being quickly soluble, it should not be applied until spring, on garden truck

**Prices:** Lb. 15c; 5 lbs. 50c; 25 lbs. \$1.50; 100 lbs. \$4.50; write for quantity price.

## TANKAGE

Ground meat scraps and bone, dessicated in a vacuum, is very rich in phosphoric acid and nitrogen. Mix it thoroughly in soil or spread it lightly.

**Price:** Per sack, \$3.00; ton, \$50.00.

Fertilizer prices on this page subject to market changes. Write for quantity price

## Stim U Plant

An All-the-Year  
Fertilizer for  
Garden and  
House Plants



Carton of "Tablets"

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-plant, an odorless, highly concentrated plant food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. The proportions are accurate, there is no wasted filler, and in this form you apply plant-food exactly when and where and as needed.

## Make Your Garden a Wonder Garden

These tablets increase production, heighten color and improve quality immediately. Fine for pot plants, shrubs or vegetable plants.

## Easy to Use

Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-plant tablets with your seed and plant order. Price, postpaid, trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000 tablets, \$3.50.

## SUPERPHOSPHATE

This is what is known as acid phosphate, being phosphate rock that has been treated or processed, to make the phosphoric acid available. Has become very popular among grain and fruit growers. Use at the rate of 300 lbs. and up per acre.

**Prices:** 100-lb. sks. \$2.35; 5 to 10 sk. lots at \$2.00. Ton price, write.

## LAND PLASTER

(Gypsum.)—An indirect fertilizer as it releases plant food and changes soil conditions. Used largely on grass and clover crops.

**Prices:** 10 lbs. 25c; 50 lbs. 75c; 100 lbs. 100 lbs. \$4.25; write for quantity price.

**Prices:** 100 lbs. \$3.25; 500 lbs. up at \$3.00; ton prices on application.

## MURIATE OF POTASH

This fertilizer is especially valuable to fruit trees and berries.

## SULPHATE OF POTASH

Very rich in potash. For root and grain crops—125 lbs. per acre. Price, 100 lbs. \$4.00. Quantity price, write.

# Routledge SEED & FLORAL Co

## (Highest Quality) "H. Q." Brand Sheep Manure

Put up in printed, new, 2 bu. bags, perfectly dry. Bag weight when filled 66 lbs. Carload buyers should write for special price.

"H. Q." BRAND SHEEP MANURE is prepared from an unusual quality of genuine sheep manure, taken from covered feeding sheds (not from open corrals). It has never been exposed to the weather, and is free from all sand, dirt and weeds. The manure is thoroughly dried and all the water content removed. Then it is uniformly ground or pulverized. Light in weight, but heavy in plant food.

"H. Q." Brand is richer in plant food on account of the dry hay and grain fed and free from weed seed for the reason that while the sheep are in feeding sheds they, being fattened for market, do not eat any weeds as they would if they were out on the range and in "open corrals at night only."

For building up the soil or as an all-purpose plant food "H. Q." BRAND (PURE PULVERIZED SHEEP MANURE), gives wonderful results. It is a natural organic plant food that produces immediate results. It stays "on the job" and assures a quick, healthy growth and a profitable crop.

"H. Q." Brand is the HIGHEST QUALITY Sheep Manure on the market. A pure, high-grade product worth much more than most stocks sold. The chemical analysis on every bag tag proves it. Most ground sheep manure is sacked so wet that it will "heat" and rot the sack in a short time. "H. Q." Brand is properly cured and will stay in the sacks for six months or more.

Put up in new printed 2-bushel bags, perfectly dry. Bag weight when filled, 66 lbs.

Prices: Per sack, \$1.50; 3 sks., \$4.50; 5 sks., \$6.50; 10 sks., \$12.00; 15 sks., \$16.50; ton, \$30.00. Small lots—2 lbs., 15c; 5 lbs., 40c; 30 lbs., \$1.00; postage extra if wanted by mail.

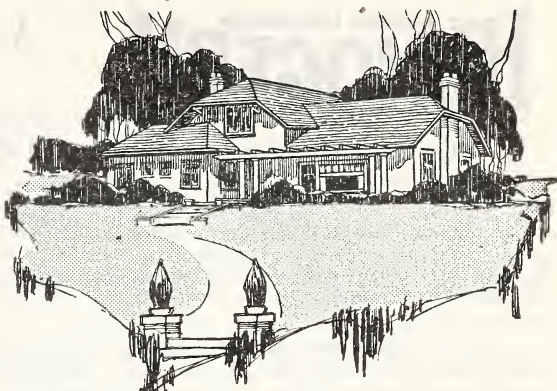
### LIME—PULVERIZED

Lime is an indirect soil improver and a very valuable conditioner, and releases the plant foods. Its application on heavy or clay soil will open it up, make it lighter and more workable. Few people realize its value. Most Western Oregon soils need lime. Use 1 to 2 tons per acre on plowed fields. For garden or lawn about 2 lbs. per 100 sq. feet.

**GROUND LIME ROCK.**—Coarse and slow in action, we discarded it in favor of Fertile Lime.

**FERTILE LIME.**—This is put through a process that makes it finer and lighter than above. Quicker in action, richer in calcium, and well worth the higher price. Excellent for moss in lawns and general garden and farm lands.

Prices: 5 lbs. 20c; 10 lbs. 25c; 50 lbs. \$1.00; 100 lbs. \$1.50; 500 lbs. \$7.00. Write for ton price.



Use "H. Q." BRAND and have a beautiful lawn, lovely flowers, handsome shrubs and a profitable garden and orchard.

### DIRECTIONS FOR USING "H. Q."

**VEGETABLES AND FRUITS.**—If you want big crops of crisp, tender vegetables use "H. Q. Brand" scattered broadcast and cultivated into the top soil 10 lbs. per 100 sq. feet; a handful per individual plant; along the rows 1 lb. to every 10 ft.; a cupful per shrub, 5 lbs. per tree, etc. Field use 1000 to 2000 lbs. per acre.

**FLOWER GARDENS.**—Luxuriant green foliage and a wealth of vivid colored flowers quickly follow an application of "H. Q. Brand" Sheep Manure. Dig it deeply into the garden soil and mix a small handful with the soil under each plant or bulb and more for vines, shrubs and trees, depending on size. Applications during the growing season will put new life into your plants and prolong the blooming season.

**LAWNS.**—"H. Q. Brand" Sheep Manure produces a thick velvety green turf of lasting beauty. Give your lawn an application early in spring and you will be surprised at the new beauty it will develop. In making new lawns scatter broadcast 10 lbs. to every 100 sq. feet and rake into the surface soil. On old lawns rake well and use about 5 lbs. per 100 sq. feet.

### SHEEP MANURE OR GUANO Ordinary Grade

If you want the common or ordinary grade from open corrals we can supply and offer it at \$1.25 per sack, or \$22.50 ton. At our warehouse, \$20.00 ton.

### BONE MEAL FERTILIZER

This is finely ground and of best quality. Used for lawns, roses, shrubs and trees. Not very quick in action and should be applied in the fall or very early spring. Use 1,000 to 2,000 lbs. per acre.

Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$3.00; ton, write.

### SULPHATE OF AMMONIA

Strong in nitrogen, about 25 per cent. Will stimulate growth almost immediately. Not a complete fertilizer, but valuable for its high per cent of nitrogen.

Prices: lb. 15c; 5 lbs. 50c; 25 lbs. \$1.75; 100 lbs. \$5.50.

# Legume Inoculation HUMOGERM

## A SEED AND SOIL INOCULANT

**That Increases Crop Production and Greatly Improves the Soil**

Seeds of all Legumes—Clovers, Alfalfa, Sweet Clovers, Garden Peas, Beans, and Sweet Peas, Vetches, Soy Beans, etc.—will yield far better results if inoculated with HUMOGERM, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. No other inoculant will produce the wealth of nodules obtained by using HUMOGERM. We believe in inoculation, we favor the soil medium, and we believe in HUMOGERM. Of all the inoculants manufactured, we believe it is the most effective, and cheapest, consistent with high quality.

**WHAT HUMOGERM IS.**—A culture of bacteria especially selected and bred for maximum vitality and ability to take nitrogen from the air. They are carried in a sterilized, finely ground, porous humus medium that keeps them fresh, active, and vigorous. Economical and easy to use, HUMOGERM is a sensible insurance and a profitable investment.

**HOW TO ORDER.**—Specify crop and number of bushels you wish to inoculate (one-bushel size contains sufficient bacteria to thoroughly inoculate one bushel of designated variety of legume seed).

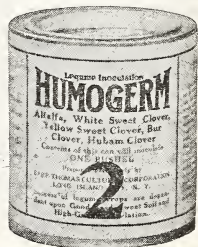
Easy to use; full directions on each can.

### PRICES ARE LOW

For small seeds—Clovers, Sweet Clovers, Alfalfa, etc.  $\frac{1}{4}$ -bus. size, 35c;  $\frac{1}{2}$ -bus. size, 60c; 1-bus. size, \$1.00;  $2\frac{1}{2}$ -bus. size, \$2.25.

New reduced prices on cultures for large size seeds—Soy Beans, Cowpeas, Peas, Beans, etc.  $\frac{1}{2}$ -bus. size, 35c; 1-bus. size, 60c; 5-bus. size, \$2.25. By mail add 5c extra for postage.

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25c.



*The NEW mercuric disinfectant for seed, plant and soil diseases.*

## DU PONT SEMESAN

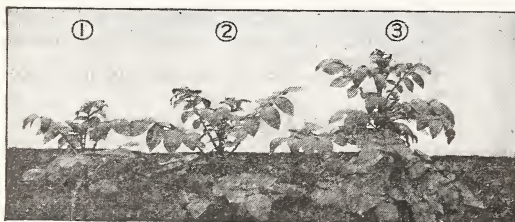
*Actually increases germination and invigorates growth.*

**PROPERTIES.**—Du Pont Semesan possesses remarkable properties for sterilizing seeds, bulbs, roots and corms of the parasite seed and plant diseases which sap their vitality and nourishment, causing dwarfed, immature and unprofitable crops. In addition, Semesan also accelerates germination, stimulates seedling growth, influences earlier maturity, develops sturdier plants and increases crop yields.

**USES.**—Du Pont Semesan should be used to disinfect all cereal, fiber, field, flower, forage, and vegetable seeds, roots, bulbs or corms before planting to destroy such disease germs and fungus spores as adhere to their surface coat or in some cases exist internally. Semesan will also prevent and control "damping-

off" of seedlings, while many soil-borne diseases can be successfully treated with it. Semesan is the best modern treatment for preventing or curing "Brown Patch" of grasses, a parasite of great menace to golf greens, turf tennis courts and fine lawns, and for stimulating the turf to renewed and more luxuriant growth.

**BOOKLETS.**—Booklets, pamphlets and other literature, describing thoroughly the merits of Du Pont Semesan and the best methods of applying it for the prevention, control or cure of many seed and plant diseases, are available for the canner, farmer, florist, golf greenkeeper, home gardener, nurseryman, potato grower and trucker. Ask for the booklet covering your needs.



### Prices:

2 ounces	.....	\$0.60
4 ounces	.....	1.00
8 ounces	.....	1.60
1 pound	.....	2.75
5 pounds	.....	13.00
25 pounds	.....	62.50

Not available.



**POTATO TEST**—No. 1 without—No. 2 and 3 treated with "SEMESAN"



# GRASS AND FIELD SEEDS



## ABOUT PRICES

READ THE FOLLOWING

## ABOUT PRICES

Only one grade priced, the best, choice, clean seed. Write for prices in quantity.

Single pound prices on Grass and Clover Seeds are prepaid. Prices per ten, fifty and one hundred pounds are not prepaid and are subject to market changes. For reference tables, amount to sow per acre, see inside back cover.

### YOU WILL ALWAYS GET YOUR MONEY'S WORTH

Prices on Grass and Field Seeds change occasionally, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity wanted, or order what you want at catalog prices, and we guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower.

We will always ship seed to cover the full amount of money sent to us, or return the difference.

FOR AMOUNT TO SOW PER ACRE, SEE INSIDE BACK COVER

### KENTUCKY BLUE

One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year.

Fancy, 10 lbs. \$5.00; per lb. postpaid, 60c; 100 lbs., write.

**FOR LAWNS.**—Blue Grass is used very extensively for lawns and is found in all good lawn grass mixtures.

Our H. Q. (highest quality) Extra Fancy seed is unexcelled for weight and purity. Few dealers handle this high grade recleaned seed on account of its cost. This seed, straight or mixed with Fancy White Clover, is excellent for lawns.

H. Q. Extra Fancy, 10 lbs. \$6.00; per lb., postpaid, 70c; 100 lbs., write.

### ENGLISH RYE GRASS

A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. It grows very rapidly and makes a good showing quicker than most grasses.

10 lbs. \$1.75; 50 to 100 lbs. at 14c lb.; per lb., postpaid, 30c.

**FOR LAWNS** this is used and recommended by many gardeners. Unless sown thickly (1 lb. to 15 feet square), it grows too coarse. For large grounds and parks it is very successful. Often mixed with White Clover. For lawns we offer a high-grade double cleaned perennial seed.

10 lbs. \$2.00; 50 to 100 lbs. at 15c; per lb., postpaid, 35c.

### CREEPING BENT

Perennial. A grass desirable for either lawns or putting greens on account of the fine, firm and enduring turf it produces.

American Grown, true and pure, per lb., postpaid, \$2.50.

True Imported, per lb., postpaid, \$1.60.

### CRESTED DOG'S TAIL

A perennial grass, forming a smooth and lasting turf, excellent in mixture for lawns, putting-green, and pastures. It thrives best on rich, moist land, but can accommodate itself to almost any soil, and, as the roots penetrate deeply into the ground, it can stand severe drought.

10 lbs. \$5.70; per lb., postpaid, 70c.

### RED TOP

Of great value for mixing with hay or permanent pasture grasses; will succeed in nearly any soil, but thrives best in a rich, moist soil; makes a fine bottom growth, rendering it invaluable to be sown with timothy, orchard or alsike clover.

Fancy Hulled Solid Leaf, 10 lbs. \$4.40; 50 to 100 lbs. at 43c; per lb., postpaid, 55c.

H. Q. Extra Fancy, for lawn seeding, 10 lbs. \$4.70; 50 to 100 lbs. 45c; per lb., postpaid, 60c.

### ORCHARD

Of the greatest value in permanent pasture mixtures; thrives best in moist, shady places, but will withstand drought exceedingly well. Will do well under trees, or shady places. Valued for hay crop, as it is very nutritious if cut early.

10 lbs. \$2.70; 50 to 100 lbs. at 24c; per lb., postpaid, 40c.

### TIMOTHY

As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam. Best to cut it when in blossom or soon after flowering. Beneficial to sow timothy with red top and red clover, as they produce more of a bottom growth.

10 lbs. \$1.40; 50 to 100 lbs. at 11c; per lb., postpaid, 30c.

### MESQUITE

It is usually sown on virgin soil, without cultivation, after the ground has been burned over.

Fancy Hulled Seed, 10 lbs. at \$2.10; 50 to 100 lbs. at 18c; per lb., postpaid, 30c.

**NOTE.**—We know you can buy cheaper Grass Seeds from other dealers. We offer only the **BEST RECLEANED HEAVY CLEAN SEEDS**—by far the cheapest to buy.

**GRASS SEEDS — Continued**

Prices subject to change. Write for latest price list

**BROMUS INERMIS**

On account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle.

10 lbs. \$2.50; 50 to 100 lbs. at 22c; per lb., postpaid, 35c.

**OTHER GRASSES**

Lb. Postpaid

SHEEP FESCUE, for pasture.....45c

RED OR CREEPING FESCUE, greens....60c

HARD FESCUE, for greens.....50c

WOOD MEADOW, for shady lawn.....\$1.25

TALL MEADOW OAT, for hay.....50c

**CHEWING FESCUE**

Recommended for lawns and golf links. It is a fine-leaved low-growing grass that forms a compact turf. Does well on all soils, even on dry sandy soils.

10 lbs. \$4.25; per lb., postpaid, 55c.

**ITALIAN RYE**

A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures; thrives best on soils that are slightly moist; makes fine hay.

Imported Seed, 10 lbs. \$1.70; 50 to 100 lbs. at 15c; per lb., postpaid, 30c.

**MEADOW FESCUE**

Perennial; grows three to four feet high. Roots deep, thus resisting drought. It succeeds on any ordinary soil; a heavy cropper, excellent for hay or pasture.

10 lbs. \$2.50; 50 to 100 lbs. at 22c; per lb., postpaid, 40c.

**SUDAN GRASS****A New Forage and Hay Crop—A Valuable One-Season Crop**

This grass was introduced in the States by the Department of Agriculture and has proved a great success, especially for dry-land conditions, and it appears to do equally well in all parts of the Willamette Valley.

Sudan Grass is strictly an annual and dies each year. This makes it fit admirably into any system of rotation. It is a tall, quick-growing grass, reaching a height of from 5 to 7 feet. The plant stools wonderfully and yields well.

It belongs to the sorghum family, but is more slender and grassy in manner of growth, earlier and hardier, and matures in 10 to 12 weeks. Yields a good crop of first-class hay. All stock relish it green or cured and thrive on it. Yields of from two to four tons per acre are common, and under irrigation they run as high as eight to ten tons per acre.

**SEEDING.**—Plant late in the spring or during the summer as a catch crop. Yields best sown in drills 18 inches apart and given one cultivation. 10 lbs. per acre. If sown broadcast and harrowed in, 25 lbs. per acre. If cut early will often make 2 or 3 crops.

**HIGHEST QUALITY SEED:** 10 lbs. \$2.50; 1 lb., postpaid, 35c; 50 to 100 lbs., write.

**FIELD AND FARM SEEDS**

Single pound prices are prepaid. Ten, fifty and one hundred pound prices are NOT prepaid and subject to market changes. See notes about shipping, page 41.

**WHITE JERUSALEM  
ARTICHOKES**

Planted and cultivated for the tuber, the same as potatoes. Of great value for feeding stock. They are the best and cheapest hog feed known. They are remarkable for great productiveness, over 25 tons have been raised on one acre. Easier to grow than potatoes. They need not be dug. If hogs are turned in on them they can easily root the tubers out. One acre will keep from 20 to 30 hogs in fine condition for several months. Said to be a preventive of cholera and other hog diseases. Excellent for fattening if fed with a grain or mash ration. Plant 400 lbs. per acre early in the spring.

By freight or express, 10 lbs. 50c; 50 lbs. \$1.50; 100 lbs. \$2.50. Per lb., prepaid, 20c; 4 lbs. 60c. Write for quantity prices.

**BUCKWHEAT**

**SILVER HULL.**—A very good and popular variety; grain is of a light gray color; has a thin husk; matures early, and yields heavily; a good milling variety.

10 lbs. \$1.25; 100 lbs., write; per lb., postpaid, 25c; 10 lbs. \$1.50.

**JAPANESE.**—Good yielder, ripens early; excellent for bees to work on as it remains in bloom longer.

10 lbs. \$1.25; 100 lbs., write; per lb., postpaid, 25c; 10 lbs. \$1.50.



Artichoke Tuber

**CHEAT SEED**

Cheat seed yields a good crop of hay, especially on low or moist soil, and will stand considerable overflow without harm. Sow in the fall or early spring, the same as oats and about 100 pounds per acre.

10 lbs. 60c; 100 lbs., write; per lb., postpaid, 20c; 10 lbs. 75c.

PRICES SUBJECT TO MARKET CHANGES. WRITE FOR PRICES WHEN WANTED.

## Farm and Field Seeds — Continued

Prices subject to market changes. See notes, top page 41

### BARLEY

#### Routledge Beardless

This new clean strain, grown under contract for us, we believe is the **TRUEST BEARDLESS** barley in the state. Agricultural agents and farmers who inspected our field pronounced it the best strain of beardless barley they had found anywhere.

A wonderful yielder, even on dry, sandy soil. Stands up well and not likely to lodge. Makes excellent hay for horses or stock, or a big crop of excellent grain. Get a start of real beardless.

By mail, postpaid, 1 lb. 25c; 5 lbs. 75c; 100 lbs., write. Stock limited.

**Common Beardless.**—The ordinary stock. Market price. Write.

**Hannchen Barley.**—Earliest and best of the 2-rowed barleys. A sure and heavy cropper. Grain plump, thin hull and beards drop or break off readily. For spring planting but will do well seeded in fall where winters are mild.

Prices: Postpaid, 1 lb. 20c; 10 lbs. 75c; 100 lbs., write.

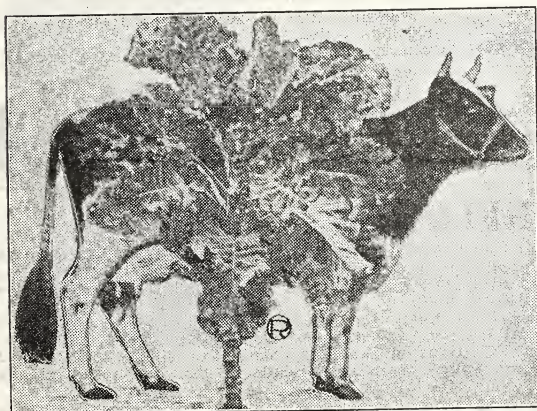
**WISCONSIN PEDIGREE BARLEY.**—Six-rowed, bearded, very popular, early and prolific.

Prices: Postpaid, 1 lb. 20c; 10 lbs. 75c; 100 lbs., write.

**WHITE HULLESS or BALD BARLEY.**—An excellent beardless barley for stock feeding. Grain plump, heavy, and when threshed is hullless like wheat; a heavy cropper. When grown and cut for hay it produces a crop which is very rich and almost equal to a grain feed. More productive than wheat.

Prices: Postpaid, 1 lb. 25c; 5 lbs. 75c; 100 lbs., write.

**Chicken Lettuce**—Its great for green feed—see page 21.



Thousand-Headed Kale

This cut is from photo, and gives you a good idea of the size and plant when well grown.

### COW PEAS

Are really small beans of vigorous vining habit and heavy foliage of great nutritious value. Make excellent green feed cut and fed or pastured.

Prices: By mail, 1 lb. 25c; 10 lbs. \$1.65, postpaid; 100 lbs. \$8.00.

### FIELD PEAS

Field Peas are a very profitable crop and are grown here very extensively. They can be grown alone or with oats. When planted with oats and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. The dry peas make excellent hog feed and are quite fattening. Sow, if alone, 2 bushels to an acre; if with oats, 80 lbs. peas and 2 bushels oats.

**WHITE CANADIAN.**—The leading and most popular kind; seed creamy white; a heavy cropper. Yields 30 to 50 bushels per acre.

10 lbs. \$1.00; 100 lbs., write; per lb. 25c; 10 lbs. \$1.50, postpaid.

**SWISS.**—A flat or 3-cornered variety of excellent quality for soup. Insects do not trouble this variety.

10 lbs. \$1.50; per lb., postpaid, 25c

**BLUE PRUSSIAN.**—Valuable variety, seed green. Used extensively as a dry soup pea. 10 lbs. \$1.25; per lb., postpaid, 25c.

Read about Humogerm, page 40.

### Thousand-Headed Kale

#### JERSEY KALE—COW KALE

Recommended by agricultural colleges, granges and dairymen as one of the most valuable green forage plants for the Pacific Coast.

It grows rapidly and produces a mass of large, thick, curly green leaves, rich and succulent, which are eagerly eaten by stock and poultry. If planted early will produce valuable green feed during the dry summer months. Makes the most rapid growth if sown in the early spring, but locally it is extensively planted in summer and fall for winter feed. Will stand light freezing. Stalks can be cut off, or the larger lower leaves broken off, leaving the tops to grow. Under good cultivation plants will grow from 5 to 6 feet high. Sow 2 to 3 lbs. per acre, thinly in drills 2 to 4 feet apart and thin out. For late planting (July and August) it is better to have strong plants from earlier seeding and set out same as cabbage, 2 feet apart, in rows. Thin out later if plants attain extra large size.

#### EXTRA SELECT SEED

Pkt. 5c; oz. 10c; 4 oz. 30c; lb. 70c, postpaid.

## FIELD CORN FOR OREGON

OUR OREGON GROWN ACCLIMATED FIELD CORN WILL PLEASE YOU

If you want to raise some good Field Corn, plant our Western grown Seed Corn. The strains we are offering you are acclimated and especially adapted to our short, cool summers. Eastern and Southern grown field corn seed is all right for green fodder, but of little value on this Coast, if you want the best corn for silo, or wish to raise matured, dry ears, for winter grain.

### Routledge Pride of the West Field Corn

See Illustration from photograph

Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is unsurpassed for a large and profitable crop of large, well matured ears or for cutting for silo.

**Routledge Pride of the West Field Corn** is an early maturing variety, producing stalks from 6 to 8 and often 10 feet high, and large ears, 7 to 9 inches long. Cobs covered with 14 to 16 rows of deep, yellow kernels. It is a heavy yielder. Our strain has been greatly improved in the last few years. Plant some of this corn this season; you will be pleased with results, we are sure.

We claim this is the earliest and heaviest yielding strain of Yellow Dent corn grown in Oregon. Try it and be convinced.

Large pkt. 10c; lb. 20c; 10 lbs. \$1.50, postpaid; 100 lbs., write.

### Minnesota No. 13

Well and favorably known in many sections of the West. Produces splendid large ears with deep kernels of bright yellow. A strong and vigorous grower with heavy foliage. Very popular variety for ensilage.

**Northern Grown.**—Large pkt. 10c; lb. 20c; 10 lbs. \$1.50, postpaid; 100 lbs., write for prices.

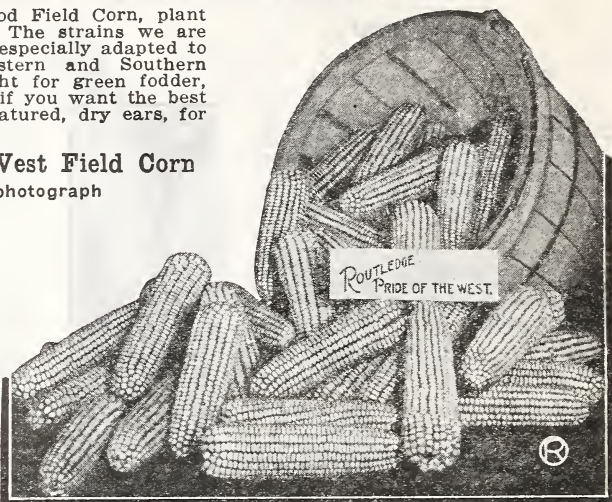
### Longfellow Extra Early

This valuable corn is a flint variety. The seed is a deep rich golden yellow, glossy and hard. The ears are 8-rowed, long, and  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches in diameter. The cob is very small, kernels large, broad, glossy, deep yellow and very rich in food values. Northern grown seed.

Per large pkt. 10c; lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50, postpaid; 100 lbs., write for prices.

### READ ABOUT "SEMESAN"

Corn seed treated with Semesan has given wonderful crops. Read page 40 and send for booklets.



### Evergreen Sweet Fodder Corn

All varieties of sweet corn possess very much more "sugar" than any feed sort, and this being the most important constituent, it necessarily follows that the corn holding this in greatest quantity has the greatest net value. Evergreen Sweet Fodder is a large cropper and makes well formed, but not matured, ears in all parts of the Northwest. Drill  $1\frac{1}{2}$  to 2 bushels to the acre.

Large pkt. 10c; lb. 20c; 10 lbs. \$1.75, postpaid; 100 lbs., write.

### Improved King Philip

**Extra Early Red Flint.** Extremely hardy. One of the best and most reliable early sorts. Well liked by Oregon farmers.

Large pkt. 10c; lb. 20c, postpaid; 10 lbs. \$1.50; 100 lbs., write.

### Canada Yellow Flint

The Flint corns are the hardest in maturity and can be grown satisfactorily much farther north than the Dent corns. Our strain is of an improved type, producing long, well-filled ears, with eight rows of quite large grains.

Per pkt. 10c; lb. 20c, postpaid; 10 lbs. \$1.50; 100 lbs., write.

### GET RID OF RATS

Absolutely deadly to rats and mice but harmless to cats, dogs, poultry or human beings. See page 121.



## SUNFLOWER

**MAMMOTH RUSSIAN.**—The best variety to grow for the seed, which is used as a food for poultry and parrots. It also makes a good hog feed. Sunflower seeds are rich in oil and protein. Planted in or around the poultry runs they make a good shade during the hot summer days and at the same time produce a valuable feed.

Recently sunflowers have been grown extensively for silage feeding purposes. Yields an enormous amount of feed, said to be equal to corn; not affected so much by frost, and grown well even where corn makes a poor crop. Cultivation same as corn. For silage sow 12 to 20 lbs. per acre; for seed purposes, give more space to mature heads, 5 lbs. per acre. Heavy, recleaned seed, high germination.

Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 40c; 10 lbs. \$3.00, postpaid. Write for quantity price

If you want a good Corn Planter to save time and seed, see page 115.

# SEED OATS

When fancy, clean, heavy yielding oats are to be had at our reasonable prices it is poor policy to buy and plant common stock of unknown qualities simply to save a few dollars at planting time. We advise our customers to pay enough to get re-cleaned, true stock of varieties known to produce big and profitable returns.

If you can't afford to buy enough to sow all your fields, get a start by planting an acre or two to save for seed stock and start this year.

## Shadeland Climax

This grand oat belongs to the tree or branching class, and is a vigorous, healthy grower of strong stooling qualities. This is one of the heaviest yielding oats introduced to date. It does not produce much straw, but the yield of "thin hulled," plump, heavy grain, even on high, dry land, is amazing. For early spring planting, large yield and quick maturity, Climax is a winner. If you live West of the Cascade Mountains you can plant "CLIMAX" fall or spring, any time the ground is fit, but where the climate is severe, spring plantings are best.

Prices: Per bu. \$1.50; 100 lbs., write. By mail, Postpaid, 4 lbs. 50c.

## Shadeland Eclipse

"ECLIPSE" is generally classed as a spring oat and is the best white side oat grown. Eclipse is enormously productive, early, very vigorous, and produces massive heads filled with large, plump grains of finest milling quality. "Eclipse" has been awarded many prizes for the best milling oat. Can be safely planted in the fall as it is very hardy.

Prices: Per bu. \$1.50; 100 lbs., write. By mail postpaid, 4 lbs. 50c.

## Shadeland Hulless

Shadeland Hulless is the heaviest yielding of all hulless. This oat grows and is harvested like any other oat, but it comes from the cleaner minus the hulls and is ready to grind, roll or chop, or can be cooked whole—the quality is unsurpassed. Sow 40 to 50 lbs. per acre.

Prices: 10 lbs. \$1.25; 100 lbs. \$8.00. By mail postpaid, 1 lb. 25c; 3 lbs. 65c.

## Swedish Select

Our seed is grown from pedigree imported stock direct from Sweden. It is one of the very earliest varieties, produces large, spreading heads of plump, heavy grain. A very heavy cropper and one of the most valuable varieties grown. Makes a sturdy growth and stands up well.

Prices: Per bu. \$1.50; 100 lbs., write. By mail postpaid, 4 lbs. 50c.

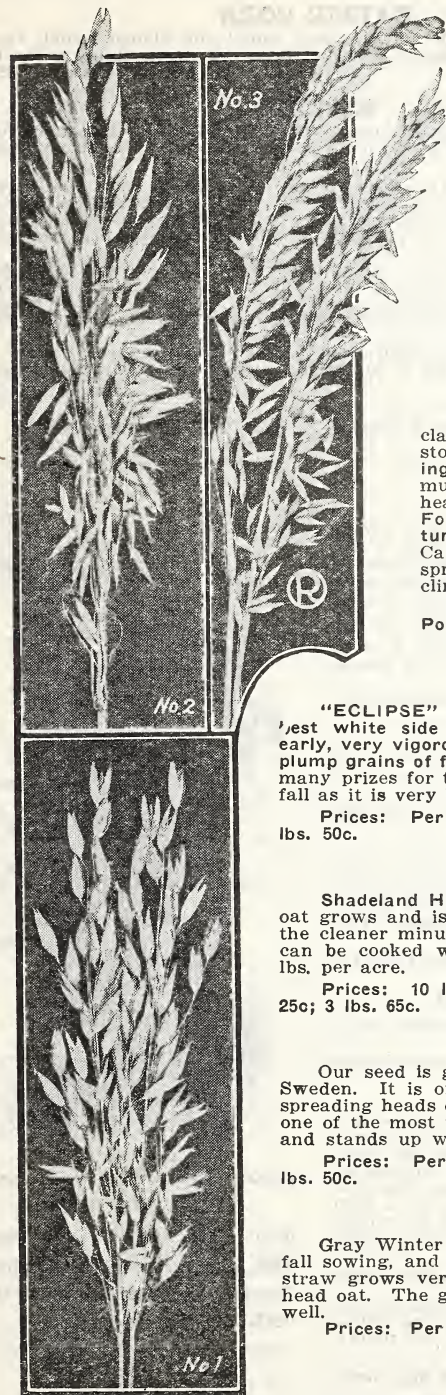
## Gray Winter

Gray Winter Oats are very hardy, and are generally used for fall sowing, and are especially useful for sowing with vetch. The straw grows very long, is stiff and not liable to lodge. It is a head oat. The grain is dark gray, large and plump, and it yields well.

Prices: Per bu., \$1.25; 100 lbs. or more, write.

## White Seed Oats

Aside from the named varieties of fancy seed oats above, we can supply White Valley Oats at market price for fancy re-cleaned stock. Write for prices when ready to buy, stating quantity wanted or order at \$1.25 per bu. and we will ship full value more or less according to market.



SINGLE HEADS OF  
No. 1—CLIMAX  
No. 2—SWEDISH  
No. 3—ECLIPSE



Millet

## KAFFIR CORN

An excellent fodder plant. Seed small and almost round, valuable poultry and pigeon food. It does best sown thinly in drills three feet apart. 10 lbs. \$1.00; per lb., postpaid, 25c

## MILLETS

Sow in April, May or June, 20 pounds for seed or 35 pounds for hay per acre. Must be sown early to mature in Willamette Valley.

**EARLY FORTUNE.**—This variety seems to do extra well here; try it. Heads large and loose, and seed is amber red and three times as large as the Common Golden. Makes good poultry feed. 10 lbs. \$1.25; 100 lbs., write; per lb., postpaid, 25c

**LIBERTY (German).**—An improved variety yielding a larger crop of seed than the Common Millett; it is also taller than the Common Golden, and yields a heavier crop of hay. Seed small, golden yellow. 10 lbs. \$1.25; 100 lbs., write; per lb., postpaid, 25c

**HUNGARIAN.**—A dwarf millet; excellent for hay.

10 lbs. \$1.50; 100 lbs., write; per lb., postpaid, 30c

Seed Potatoes, page 26; Sunflower, page 44

## RAPE, DWARF ESSEX

We offer you true, pure seed. One of the best forage plants, on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily. Rape will do well on almost any soil. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, three pounds, in drills; or if broadcast, five pounds.

10 lbs. \$1.25; 100 lbs. write; per lb., postpaid, 25c

## SEED RYE

When ready to buy Fall or Spring Rye Seed, write us for quotations on quantity wanted or send in your order and we will give full value.

10 lbs. 75c; 100 lbs., write; per lb., postpaid, 20c; 3 lbs. 50c

## SPELTZ — EMMER

Sow in the spring, the same as wheat, at the rate of two bushels per acre. Cut when the grain is past the middle stage of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. Can be fed whole, rolled like barley, or ground.

10 lbs. \$1.00; 100 lbs., write; lb., postpaid, 20c; 3 lbs. 50c

## SUGAR CANE OR SORGHUM

A valuable crop to grow for fodder or ensilage, as it furnishes an immense tonnage to the acre.

10 lbs. \$1.25; 100 lbs., write; per lb., postpaid, 25c

## VETCHES

**OREGON VETCH (Vicia Sativa).**—Oregon's greatest forage plant. Often called Fall Vetch. Grown very extensively in western Oregon and Washington, especially in the Willamette Valley and on the Oregon Coast. It furnishes an abundance of excellent feed, either green or dried. The seed is generally mixed with wheat, oats or rye, having a stiff straw to hold it up. Sown alone 85 pounds, or 60 pounds with a bushel of grain, per acre. Sow in the fall or early spring.

Prices: 10 lbs. \$1.00; 100 lbs., \$6.00; per lb., postpaid, 20c

**HAIRY SAND OR WINTER (Vicia Villosa).**—This variety thrives on poor, arid, sandy soils. It is sown in the fall or spring, mixed with rye, which serves to support the plants. Sow 20 pounds per acre.

10 lbs. \$2.50; per lb., postpaid, 40c; 100 lbs., write

**WHITE SPRING, PURPLE AND HUNGARIAN.**

10 lbs. \$1.75; per lb., postpaid, 25c; 100 lbs.—when ready to buy write for prices, stating quantity wanted.



Vetches

## THE WISE ONES

Will treat their Vetch seed with Humogerm before sowing. There is no question about its VALUE. See page 41.

## BE UP TO DATE

Read About

SEMESAN, page 40

Single pound prices are prepaid but ten, fifty and one hundred pound prices are NOT prepaid and subject to market changes. See notes, page 41. For amount of seed to sow per acre see table, inside back cover.

## SEED WHEAT

Prices subject to market changes. Will send full value of money sent. Quote prices on request for prompt acceptance.

**EARLY BAART.**—An excellent spring variety, fully as early as Marquis, much earlier than Bluestem. A wonderful yielder. Finest milling quality. We recommend this to you.

Per lb. 20c; 3 for 50c, postpaid; low 100-lb. prices on request.

**MARQUIS.**—A commercial variety of spring wheat. Excellent milling quality, matures early and yields heavily.

Per lb. 20c; 3 lbs. 50c, postpaid; low 100-lb. prices on request.

**BLUESTEM.**—A popular and profitable spring variety, often sown in fall where winters are mild. A strong grower and yields well.

Per lb. 20c; 3 lbs. 50c, postpaid. Low 100-lb. prices on request.

**FORTY-FOLD.**—A well known winter variety, excellent milling quality. Matures early, and yields well.

Per lb. 20c; 3 lbs. 50c, postpaid; 100 lbs., write.

## ALFALFA AND CLOVER SEEDS

Single pound prices on Grass Seed are prepaid. Ten, fifty and one hundred pound prices are NOT prepaid and subject to change. See notes, page 42. For amount of seed to sow per acre, see table inside back cover.

### ALFALFA, OR LUCERNE CLOVER

Reports prove that Alfalfa will grow in all parts of the West, but requires a deep, loose soil. Will not thrive on heavy clay or where there is hard pan. As soon as cut it immediately commences to grow. Excellent hay or pasture. Alfalfa, once established, is a crop so profitable that every farmer may well take great care to get a stand. Much has been published about its high feeding, fertilizing and wonderful yield possibilities.

Price: 10 lbs. \$2.80; 50 to 100 lbs. at 26c; per lb., postpaid, 35c.

### DRY LAND ALFALFA

For high, dry, hot land, where irrigation is impossible.

Price: 10 lbs. \$3.00; 50 to 100 lbs. at 28c; per lb., postpaid, 35c.

### GRIMM ALFALFA

This new variety is very hardy and will stand much more tramping and root injury. In many Western sections it is out-yielding the common variety and proving much more profitable. It is a little earlier and will do well on most all soils except undrained meadows. Not affected by extreme heat or cold, and does better in a wet climate than any other alfalfa. We offer the genuine true Grimm seed.

Prices: 60c per lb., postpaid; 10 to 20 lbs. at 50c lb.; 100-lb. prices on request.

### WHITE CLOVER (*Trifolium Ripens*)

Used largely in lawns and permanent pasture mixtures. Accommodates itself to a great variety of soils. High grade, clean seed is very scarce and high this year; beware of low-priced seed this season.

Choice Seed, 10 lbs. \$5.70; per lb., postpaid, 70c. Not postpaid, 60c.

For lawns always buy our "H. Q." Fancy Seed, which is the purest high quality seed obtainable, and the true very dwarf, hardy variety.

"H. Q." Fancy Seed.—Per lb., postpaid, 80c.

### RED CLOVER (*Trifolium Pratense*)

Hardy, and succeeds well on any good soil. The most popular variety.

10 lbs. \$3.70; 50 to 100 lbs. at 36c; per lb., postpaid, 45c.

### ALSKE CLOVER (*Trifolium Hybridum*)

Valued highly for sowing with other grasses. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

10 lbs. \$3.60; 50 to 100 lbs. at 35c; per lb., postpaid, 45c.

### HUBAM CLOVER—(Annual Clover)

A rapid growing clover, ready for cutting four months after seeding. Makes an ideal crop for turning under or soiling in orchards. Bee men are finding it ideal for bee pasture, it being available the first season. Good stock pasture. Seed 20 lbs. per acre.

Per lb., postpaid, 60c; 10 lbs., \$5.00. Write for prices on larger lots.

### SWEET CLOVER (*Melilotus Alba*)

Sweet Clover has come to stay. There is no doubt about it. Ask any farm paper, any state college, the U. S. Department, or better yet, any farmer who has grown it.

Sweet clover is used as either a feed crop or as a fertilizer to plow under to improve the soil and increase the crop to follow. It grows fast and is easy to start.

Grows luxuriantly on good soils, but it will also grow and thrive on thin, sandy soil, hardpan, gumbo, rocky upland, clay and alkali land.

Sweet clover lives two years. It makes large, rapid growth the first season and can be cut for hay or pastured the last half of the summer, but does not bloom or bear seed. The second year it blooms, bears seeds and dies. Will make two crops of hay or a crop of hay and one of seed the second year. Can be plowed under either the first or second year, but to get the full value in humus the second season is better on account of the large roots that penetrate the lower layers of soil, thereby loosening it up and adding much humus and more nitrogen.

Sown very early in the spring. It does well sown either alone or with a nurse crop of small grain. Use 15 to 20 pounds of seed per acre.

Sweet clover makes excellent pasture for horses, cattle, sheep, hogs or chickens. A very early and continuous cropper.

Prices: 10 lbs. \$2.50; 50 to 100 lbs. at 22c; per lb., postpaid, 35c.

### BUY YOUR WIFE A BIRD

Pe Ell, Wash., Oct. 30, 1925.

Routledge Seed & Floral Co.

Dear Sirs: I received the Bird today and am very much pleased with it. It has been singing already and is beautiful in color even if it has that real small dark green spot on its head. It does not sing as loud as my others, but loud enough.

Thanking you, I am

MRS. EDNA FURROW.

WE PLEASE OTHERS—SEE PAGE 144.

IT PAYS TO INOCULATE ALL CLOVERS AND ALFALFA WITH HUMOGERM OR TREAT IT WITH SEMESAN. SEE PAGE 40.

### For "Brown Spot" in Lawns

Use "Dupont Semesan" as the most effective means of controlling "Brown Patch" which attacks the turf of golf courses, tennis courts and lawns. See page 40. Pamphlet free.



Nothing adds a greater air of refinement to a home than a beautiful, well-kept lawn. The planting of a few shrubs, roses and a liberal planting of flowers should not be forgotten. The pretty home above is "well done." The vegetable garden is in the rear, hidden by the hedge of flowering plants.

## LAWN GRASS SEED

Though we offer, separately, seed of many of the grasses suitable for the lawn, we consider as very erroneous the somewhat prevalent idea that any single variety of grass seed is preferable or equal to a mixture.

### R. R.'s EVERGREEN LAWN GRASS

To obtain a good Lawn Grass Mixture, it is necessary that the best possible seed of fine grasses be used in the combination, embracing such varieties as are of neat, close growth, extreme hardiness, and adapted to produce a quick, permanent sod. Judicious selection of seed, knowledge of the habits, vigor, quality and hardiness of varieties used in the mixture can only be gained by thorough and practical tests under different climatic and soil conditions. After many years' experience, we offer our pure, clean Evergreen Lawn Grass Seed Mixture, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions, and which may be depended upon to produce a beautiful, compact, evergreen sod that will resist tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired.

**R. R. EVERGREEN LAWN GRASS.**—Recognized by expert gardeners as the "highest quality." Portland's finest lawns have been grown from this mixture. PRICE, 65c per lb. Add postage by mail.

Note.—Lawn Grass prices subject to market changes.

Note.—You better spend a few cents or a dollar extra on the seed you buy and have a fine lawn that you'll be proud of. Sow 1 pound seed to every 200 square feet for best results.

**WHITE CLOVER.**—Many gardeners like white clover mixed in lawn seeds and it is excellent, especially if your soil is heavy or poor. White clover grows quickly and acts as a nurse crop and protects the fine-leaved grasses. Choice, 60c lb.; Extra Fancy for Lawns, 70c. Postage extra.

**EVERGREEN LAWN**, mixed with one-fourth **WHITE CLOVER**, 65c lb. Postage extra.

**"H. Q." FANCY KENTUCKY BLUE GRASS**, for lawns. 60c lb. Postage extra.

**IMPORTED CREEPING BENT GRASS**, \$1.50 lb.; **DOMESTIC**, \$2.25 lb.; **FANCY RED TOP "H. Q."**, for lawns, 60c lb. Postage extra.

**SHADY LAWN SPECIAL MIXTURE**, 70c lb.; postage extra.

For all other kinds of Grass Seeds, see pages 41-42; Clovers, page 47.

Baltimore, Md., April 26, 1925.

Routledge Seed & Floral Co.

Mt. Vernon, Wash., April 20, 1925.  
Routledge Seed & Floral Co.

Dear Sirs: Please ship the Rosebushes as soon as you can. The ones I got from you four years ago have had wonderful blooms and I have taken several prizes at Fairs and Shows with them.

Yours sincerely,

MRS. LUE R. MAUPIN.

Dear Sirs: Last month my friend, while visiting your State, had you ship me three Mad. C. Testout Roses. I wish to compliment you on the grade and manner in which these were shipped. They arrived in A-1 condition, were planted the evening of arrival and are doing fine.

Very truly yours,

LEONARD G. SWITZER.

**FEED THE LAWN**—Do not starve the grass if you want it to look green and velvety; use "Marvel" and H. Q. Sheep as per directions. See pages 38 and 39.



Our flower seeds are grown by specialists and are unsurpassed. The following list contains a general assortment of the choicest and most popular and easiest grown flowers for conservatory, greenhouse or garden culture.

## HOW TO RAISE FLOWERS SUCCESSFULLY FROM SEEDS

The above is the title of a two-page leaflet we have issued for our customers. It tells **HOW, WHEN and WHERE** to plant. It is free to all. You will find it of great value.

**IF YOU WILL MEMORIZE the following definition of the flower classes THEY WILL HELP YOU WONDERFULLY in the selection of seeds and your garden work in general.**

### ANNUALS

These grow from seed, flower, mature their seed, and die in one year, or in other words, the same season.

Half-Hardy Annuals are those which should be started early in the house, conservatory or hotbed, and transplanted to the garden in settled warm weather.

Hardy Annuals are those which can be sown in the open ground in early or late spring, or started inside and transplanted if very early flowers are desired.

### BIENNIALS

These grow from seed, sown from June to August, flower, ripen their seed and die the next year, though some varieties bloom the same season if sown early in gentle heat.

Hardy Biennials will winter in the open ground without protection.

Half-Hardy Biennials require the protection of a cold-frame or cool-house during the winter.

### PERENNIALS

These grow from seed, and continue flowering annually for many years after the first season. Some varieties flower the first season if started very early. Sow in the fall for early flowers next year.

Hardy Perennials can remain in the open ground during winter without protection.

Half-Hardy Perennials require the protection of a cold-frame or cool-housing during winter.



### ARCTOTIS

New From Southwest Africa

**GRANDIS.**—Handsome annual, easily grown from seed sown in hot bed or later in the garden. Grows 2 to 3 feet high and produces a profusion of large showy flowers on long stems from July to frost. Excellent for cut flowers as they are very lasting. Flowers white with a blue center edged gold. The reverse of petals are lilac-blue, buds lilac. Can be cut in bud and every one will open in a sunny window. Pkt. 10c; 1/8-oz. 25c

### ACROCLINUM

Hardy annual, with everlasting flowers; good for cutting; flowers double and dry nicely if cut in bud; 1 foot; July to October.

Album.—Double, white. Pkt. 10c; 1/8-oz. 25c  
Mixed.—Double, all colors. Pkt. 10c; 1/8-oz. 25c

### AGROSTEMMA

(Rose of Heaven)

**COELI-ROSA.**—Superb free-flowering, hardy annual, rose-colored flowers; fine for cutting; height 1 1/2 feet: July to September.

Pkt. 10c; 1/4-oz. 35c

### AGERATUM

Half-hardy annuals, especially well adapted to edge large beds of geraniums, salvia coleus or cannas, flower continuous through the summer. 15 inches.

**DWARF LITTLE BLUE STAR.**—New; one of the handsomest blue-flowered dwarf edging plants; grows 5 inches high, and is just covered with small, bright blue flowers.

Pkt. 15c; 1/8-oz. \$1.00

**AGERATUM MEXICANUM.**—(15 inches.)

Blue—Sky blue. Pkt. 10c; 1/4-oz. 50c

Album.—Pure white. Pkt. 10c; 1/4-oz. 50c

Finest Mixed.—All colors. Pkt. 10c; 1/4-oz. 40c

### ALYSSUM

One of the most popular hardy annuals, **SWEET.**—Pure white; 6 inches; June to November. Pkt. 10c; oz. 50c

**LITTLE GEM.**—The dwarfest and best for design bedding; plants very compact and bushy, and grow only 3 to 4 inches high. Pkt. 10c; 1/4-oz. 35c

**LILAC QUEEN.**—Dwarf, compact, lilac flowers. Pkt. 10c; 1/4-oz. 35c

**PROCUMBENS.**—(Carpet of Snow.) A new and very select strain, carefully selected. Plants very spreading and only about 2 inches tall. Blooms are massed, completely hiding all foliage. Pkt. 15c; 1/4-oz. 50c

**SAXATILE COMPACTUM (GOLD DUST).**—Hardy perennial; yellow flowers; April to June; height 9 to 12 inches. (Plants 84.) Pkt. 10c; 1/8-oz. 40c

Have you a beautiful lawn? If not, see page 48 for Seed, pages 38 and 39 for Fertilizer

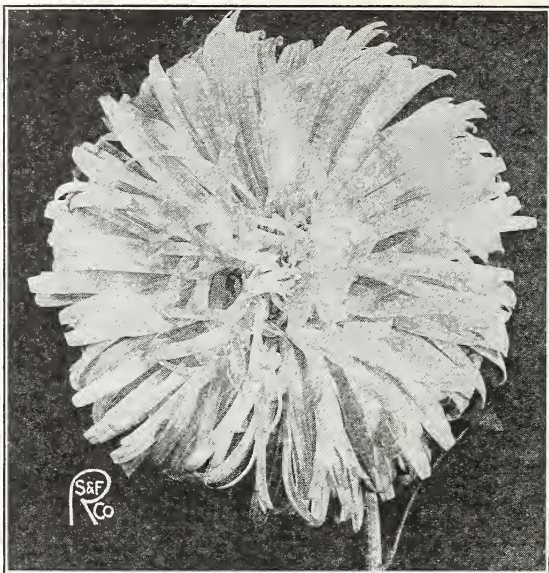
## ASTERS

One of the easiest and most satisfactory summer and fall flowers to grow. We take the utmost pains to select seeds from the most perfect flowers only, and wish to assure our patrons that our strains are the superiority of perfection.

### IMPROVED GIANT CREGO

The most beautiful and desirable aster we have ever seen; very hardy, free-flowering and one of the best for general planting; the plant is a strong, healthy grower, and will produce 12 to 15 long-stemmed flowers of the most graceful and pleasing style (see cut.) With ordinary care you can grow flowers measuring 5 to 6 inches across. Most of the handsome large aster blooms you see in the Portland flower stores are of this kind.

Pure White, Shell Pink, Rose, Pink, Purple, Crimson, Lavender or Mixed. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c  
SPECIAL.—One packet each of the six colors only 50c.



Improved Giant Crego Aster

### California Giants

A new variety of real merit. Of immense size and beauty, long, sturdy stems, non-lateral type. Resemble the "Crego" in type of flower, but larger and more robust.

Peach Blossom, Light Blue, Deep Rose, Dark Purple or Finest Mixed. Pkt. 25c;  $\frac{1}{8}$ -oz. 75c

### Queen of the Market

Most valuable for early cutting; the plants branch freely and produce a great many well-formed flowers nearly a month in advance of the later sorts.

Finest Mixed. Pkt. 10c;  $\frac{1}{8}$ -oz. 30c

### Asters, Fine Mixed

A mixture of choice kinds for all season blooms. Pkt. 10c;  $\frac{1}{4}$ -oz. 50c



Superb American Branching

### Heart of France

Heart of France opens red as the ruby, and retains its remarkable beauty to the very end. Flowers large and full. Plants of branching type and very robust habit. Stems long. Pkt. 15c;  $\frac{1}{8}$ -oz. 50c

### Giant Comet

A well-known variety, but with us the "Improved Giant Cregs" has taken its place. Finest Mixed. Pkt. 10c;  $\frac{1}{8}$ -oz. 40c

### Superb American Branching

This superb strain, of American origin, is especially adapted to our climatic conditions, and unsurpassed. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome large full flowers. (See cut.)

White, Shell Pink, Rose Pink, Lavender, Crimson, Azure Blue, Dark Blue, or Finest Mixed. Pkt. 10c;  $\frac{1}{2}$ -oz. 60c

## SINGLE ASTER

(China Asters)

A hardy annual variety producing freely beautiful single flowers on long slender stems. Flowers about 2½ to 3 inches wide, and come in most all colors. Very decorative, unsurpassed and lasting as cut flowers.

Elegans Single Mixed. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

## HARDY PERENNIAL ASTERS

(Michaelmas Daisies)

One of the showiest of our late-flowering perennials, giving a wealth of bloom during September and October. They grow freely in any soil. If sown early they will flower the first season. 3 to 4 feet. Excellent for cutting. They come only in lavender and dark shades.

Large Flowering Varieties.—Seed saved from the choicest flowers only. Pkt. 10c;  $\frac{1}{8}$ -oz. 75c

## ALOYSIA

(Lemon Verbena)

CITRIODORA.—A greenhouse shrub, valuable for the fragrance of the foliage; 2 feet. Pkt. 15c

**AMARANTHUS**

**CAUDATUS** (Love-Lies-Bleeding).—Hardy annual; ornamental foliage plant; fine for bedding; green foliage with long, drooping crimson racemes; 2 feet.

Pkt. 10c;  $\frac{1}{4}$ -oz. 35c

**CRUENTUS** (Prince's Feather).—Dark red foliage and feathery flowers; 2 feet.

Pkt. 10c;  $\frac{1}{4}$ -oz. 35c

**TRICOLOR** (Joseph's Coat).—Ornamental; for foliage only; red, yellow and green.

Pkt. 10c;  $\frac{1}{4}$ -oz. 50c

**ANTIRRHINUM**

(Snapdragon)

Among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blossoming season giving them great value for garden color masses, as well as for cutting. Bloom from July to frost. Half hardy perennials,  $1\frac{1}{2}$  to 3 feet. (See cut.)

**A. Maximum**

This monderful new group of Antirrhinums far surpasses anything yet introduced. The flowers are of magnificent size, closely placed on tall, graceful spikes,  $3\frac{1}{2}$  feet. We offer six beautiful colors as follows

Your Choice, 15c Pkt.,  $\frac{1}{8}$ -oz. \$1.00.

**COPPER KING**.—Velvety scarlet shaded copper.

**DIAMOND**.—Golden yellow, lilac throat.

**OLD GOLD**.—A rich deep golden color.

**SILVER QUEEN**.—Beautiful rosy pink.

**SNOWFLAKE**.—Pure white, yellow tube.

**WALLFLOWER**.—Brownish orange, copper red.

**MAXIMUM MIXED**.—A lovely mixture.

Pkt. 10c;  $\frac{1}{8}$ -oz. 75c

**A. NARIUM GRANDIFLORUM**

Large flowers, medium height, about 2 feet.

**Queen of the North**.—Long Spikes; pure white; superb. Pkt. 10c

**Defiance**.—Orange scarlet, white tube. Pkt. 10c

**Firebrand**.—Beautiful, bright scarlet. Pkt. 10c

**Daphne**.—Pearly pink. Pkt. 10c

**Golden Queen**.—Rich, pure yellow. Pkt. 10c

$\frac{1}{8}$ -oz. Any Variety above 40c

**A. Majus Grandiflorum****TALL MIXED**

**Tall Giant, Finest Mixed**.—Our seed of this is exceptionally fine; height, 3 feet.

Pkt. 10c;  $\frac{1}{8}$ -oz. 35c.

**Dwarf Mixed**

**Semi-Dwarf**.—Fine for bedding; 24 inches.

**Finest Mixed**. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

**ANEMONE**

(Windflower)

**ST. BRIGID**.—Double and semi-double flowers in a wonderful array of colors. Perennial, 1 foot. Pkt. 15c

**ASPARAGUS**

**PLUMOSUS NANUS**.—A graceful pot plant for either house or conservatory (see illustration under Fern Plants); very finely cut, delicate lace-like foliage.

Pkt. 25c; 100 seeds \$1.00

**SPRENGERI**.—Drooping foliage; adapted for hanging baskets or cutting.

Pkt. 10c; 100 seeds 50c

**BABY BREATH**

See Gypsophila, page 58.

**USE "WONDER."**—The best Fertilizer and plant food known. A teaspoonful to a plant does wonders. See page 38.



Antirrhinum Maximum

**ARABIS**

(Rock Cress)

**ALPINA**.—Hardy perennial; pure white flowers in close head; excellent for edging rock-work or dry situations; 6 inches; April to June. Pkt. 10c;  $\frac{1}{4}$ -oz. 50c

**BALSAM**

(Lady Slipper)

Hardy annual, succeeding best in sunny situation, rich loam and moisture; very showy and of easy culture;  $1\frac{1}{2}$  feet; July to September.

**PRIZE MIXTURE**.—This strain will produce the most perfectly formed double flowers in the greatest variety of colors.

Pkt. 10c;  $\frac{1}{8}$ -oz. 50c

**BELLIS**

(Double English Daisy)

Popular spring and summer flowering perennial; fine for borders; height 4 inches. Easily raised from seed. Blooming season from April to September.

**Double Mixed**. Pkt. 10c;  $\frac{1}{8}$ -oz. 50c

**Longfellow**.—Double pink flowers. Pkt. 25c

**Snowball**.—Free flowering; pure white.

Pkt. 15c

**Giant Rose, White or Mixed**.—Mammoth in size; very rare. Give them rich ground.

Pkt. 20c

**AQUILEGIA**

(Columbine)

Hardy perennials; are most elegant plants and invaluable for cutting or as hardy border flowers; beautiful and graceful; June to September. 2 to 3 feet. (See cut.)

**LONG SPURRED.**—Superb mixture of all the most desirable shades. Pkt. 15c; 1/8-oz. \$1.00

**SINGLE. FINEST MIXED.** Pkt. 10c; 1/4-oz. 60c

**DOUBLE, FINEST MIXED.** Pkt. 10c; 1/4-oz. 60c

**CHRYSANTHA.**—Golden yellow.

Pkt. 15c; 1/8-oz. \$1.00

**COERULEA.**—Violet blue and white. (Rocky Mountain Columbine.) Pkt. 15c; 1/8-oz. 75c

**NIVEA GRANDIFLORA.**—A beautiful, large, pure white. Pkt. 10c; 1/8-oz. 40c

FOR PERENNIAL PLANTS SEE PAGES 82 to 88.

**AUBRIETA**

(Rainbow Rock Cress)

A beautiful dwarf rock plant covered with sheets of bright flowers in spring and summer.

Hybrid Mixed, large flowering. Pkt. 15c

**BEAN**

**SCARLET RUNNER.**—The well-known, rapid growing annual climber, with bright red flowers, from July to September; height 8 feet. Large Pkt. 10c; oz. 20c



Balloon Vine

**BALLOON VINE**

(Love-in-a-Puff)

A rapidly growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children; 8 to 10 feet (see cut).

Pkt. 10c; 1/2-oz. 35c

**CALCEOLARIA**

Tender annual, a universal favorite for house culture; produces a mass of beautiful puffed, pocket-like flowers of brilliant self-colors and spotted. Our strains of Calceolaria is very fine.

Hybrid Grandiflora.—Mixed. Pkt. 25c

**A Beautiful Flower Garden**

Perhaps you have failed before, but if you will follow our "Cultural Directions" (free on request), you will be successful.

Perennial Flowers are rapidly gaining in favor. They are lasting and flower each year. You gain 1 year by buying our field-grown plants. See pages 82 to 88.



Aquilegia (Columbine)

**CALLIOPSIS**

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer if cut often, excellent massing (see cut).

**CROWN OF GOLD.**—(Coronata Maxima.) A splendid cut flower, large, pure golden yellow. All season. Pkt. 10c; 1/8-oz. 35c

**GOLDEN WAVE.**—Yellow, with crimson-brown around the eye. Pkt. 10c; 1/8-oz. 25c

**CRIMSON KING.**—Rich, velvety crimson or garnet. Pkt. 10c; 1/8-oz. 30c

**ROUTLEDGE PRIZE MIXTURE.**—Showy new shades in all of the choicest varieties.

Pkt. 10c; 1/4-oz. 75c



Calliopsis

**CALENDULA**

(Pot Marigold)

Hardy annual; one of the most desirable garden flowers. The flowers are freely produced on long stalks; large, with flat, spreading rays; very showy; flowers the entire season; 12 to 18 inches. Excellent for cutting, beds or borders.

**Double Finest Mixed.** Pkt. 10c; ¼-oz. 25c

**LEMON QUEEN.**—A select strain, large double flowers, sunflower yellow.

Pkt. 10c; ½-oz. 25c

**ORANGE KING.**—Grandiflora.—An excellent strain; large, double flowers, rich dark orange.

Pkt. 10c; ½-oz. 35c

**CANNA**

A beautiful, large-leaved, showy flowering plant. Seed must be soaked before planting and started in a hot-bed under glass. (For Canna Roots, see page 91.)

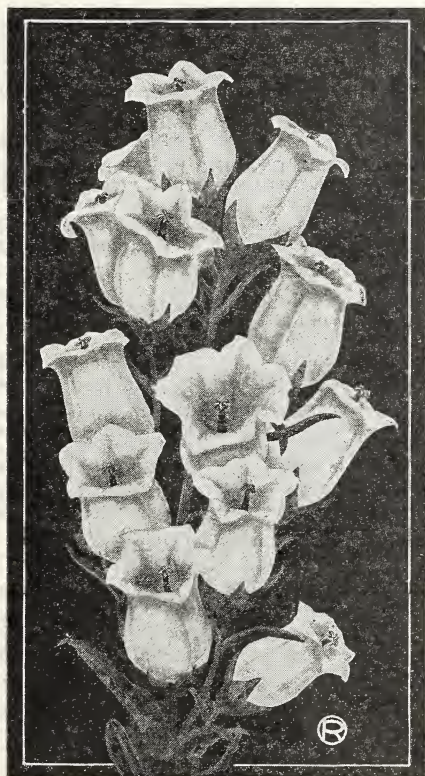
**CROZY'S HYBRIDS MIXED.**

Pkt. 10c; oz. 50c

**CANARY BIRD VINE**

A rapid-growing summer-climbing annual, 10 to 15 feet high; it will cover trellis work in the most graceful manner, producing hundreds of pretty winged, bright yellow flowers.

Pkt. 10c; ¼-oz. 35c



Single Canterbury Bells

**CASTOR OIL BEAN.**—See Recinus, page 67.

**GREAT FOR FLOWER BEDS.**—Read page 39, which tells all about our new product "H. Q." Sheep Manure.

New Augustine, Fla., March 7, 1925.

Roulledge Seed & Floral Co.

Dear Sirs: Many thanks for the fine condition seeds, plants and bulbs came in which were ordered by my son.

Very truly yours,

HELEN M. ARNOLD.



Canary Bird Vine

**CAMPANULA**

(Bellflower)

Well known, beautiful, hardy herbaceous perennials, bearing a great profusion of attractive bellflowers; thrives best in light, rich soil; some of the varieties flower the first season if sown early.

**PERSICIFOLIA GRANDIFLORA** (Peach Bells).—Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large single flowers.

Blue, White or Mixed. Pkt. 10c; ¼-oz. \$1.00

**CARPATICA** (Carpathan Hare-Bell).—Free-flowering, hardy perennial, continuing in bloom the whole season; color clear blue or white; grows 6 inches high; especially good for edging.

Blue or White.

Pkt. 10c; ¼-oz. 75c

**CANTERBURY BELLS**

(Campanula Medium)

Very ornamental garden plants of easiest culture; excellent for cutting; hardy biennial; 2½ feet high, producing large, bell-shaped flowers of exquisite colors. Hardy biennials. (See plants, page 84.)

Medium Single White, Blue, Rose or Mixed.

Pkt. 10c; ½-oz. 45c

Double Mixed, all colors. Pkt. 10c; ½-oz. 50c

**CALYCANTHEMA.**—(Cup and Saucer Canterbury Bells.)—This is unquestionably one of the finest types; they have an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer.

Calycanthema, Pink, Lilac Blue or White.

Pkt. 15c: 2 for 25c; ½-oz. 75c

Calycanthema, Mixed Colors.

Pkt. 10c; ¾-oz. 60c

**R. R.'s PRIZE MIXTURE.**—A mixture which contains every color and kind of both single and double biennial and perennials.

Pkt. 10c; ½-oz. 50c

**CANDYTUFT**

(Iberis)

Very popular free-flowering annual, fine for beds or cutting; 1 foot. June to frost if sown early and late.

**EMPRESS.**—A large-flowered variety of purest white; grown extensively for cut flowers; very desirable. Pkt. 10c; ¼-oz. 35c

**PINK, CRIMSON OR LAVENDER.**—Very desirable colors; your choice. Pkt. 10c; ¼-oz. 35c

**FINEST MIXED.**—All colors.

Pkt. 10c; ¼-oz. 25c

**DWARF WHITE LITTLE PRINCE.**—Grows but 6 inches high and throws up strong trusses of pure white flowers; excellent for edging or bordering. Pkt. 10c; ¼-oz. 40c

**SEMPERVIRENS.**—Perennial; pure white flowers, evergreen foliage; blooms in June; fine for edging, borders and rockeries; 1 foot. Pkt. 15c; 1-16-oz. 35c

**CARDINAL CLIMBER**

This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of 25 feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters of 5 to 7 blooms each. Like all "Ipomoeas," it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1.

Pkt. 15c; 2 Pkts. 25c; ½-oz. 75c

**CARNATION**

Everyone loves Carnations. For started plants of the finest named varieties, see page 76.

**MARGARET CARNATIONS.**—The earliest to bloom, and producing large, double, sweet-scented flowers; being half-hardy perennials, if they are slightly protected during the winter they will survive and flower profusely the next spring.

Red or White.—Large flowers.

Pkt. 15c; ½-oz. \$1.00

Choice Mixed.

Pkt. 10c; ½-oz. 60c

**CELOSIA CRISTATA**

(Cockscomb)

Showy, half-hardy annuals of easy cultivation; 1 foot; producing large, brilliant, comb-like flower heads.

**Glasgow Prize.**—Showy, dark crimson comb.

Pkt. 10c; ½-oz. 60c

**Finest Mixed.**—Rich mixture of finest dwarf kinds.

Pkt. 10c; ½-oz. 40c

**Celosia Plumosa**

(Feathered Cockscomb)

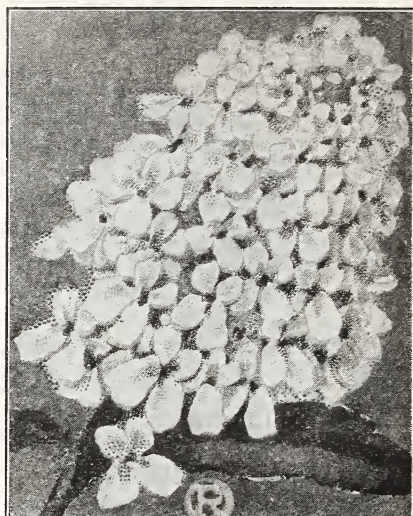
The plant grows 2 to 3 feet, is of handsome pyramidal form, and the numerous massive plumes, which resemble an ostrich feather waving gracefully above the foliage, make it one of the most effective; of easy culture. Half-hardy annual.

**THOMPSONI MAGNIFICA.**—The most perfect feathered variety. July to November.

Golden Plume. Pkt. 10c

Crimson Plume. Pkt. 10c

Finest Mixed. Pkt. 10c; ¼-oz. 60c



Candy Tuft—Empress

**CENTAUREA**

(Bachelor's Button—Cornflower)

Very popular annuals; will grow in the poorest of soil, either on seashore or mountains; seed can be sown either in fall or spring; sandy soil preferable; height 2½ feet.

**Cyanus, Finest Single Mixed.**

Pkt. 10c; ¼-oz. 25c

**CENTAUREA CYANUS fl. pl.** (Double Bachelor's Button.)—Beautiful large double flowers.

Double Blue.

Pkt. 10c; ¼-oz. 50c

Double Mixed.

Pkt. 10c; ¼-oz. 35c

**CENTAUREA IMPERIALIS** (Giant Cornflower).—The flowers are of enormous size, fragrant and of charming colors; in form they resemble the fuzzy part of the thistle bloom. Excellent for cutting.

Mixed Colors.

Pkt. 10c; ½-oz. 35c

Marguerite.—White.

Pkt. 10c; ½-oz. 40c

**MOSCHATUS** (Sweet Sultan).—Hardy annual, with very fragrant and showy flowers; 1½ feet; June to September.

Finest Mixed.

Pkt. 10c; ½-oz. 35c

**SAUREOLENS** (Grecian Cornflower).—Yellow flowers, showy.

Pkt. 10c; ½-oz. 35c

**White Leaved Centurea**

(Dusty Millers)

These are grown for foliage only; half-hardy annuals; leaves are silver-coated.

**CANDISSIMA.**—Thick, white, upright cut leaves; 1 foot. Pkt. 10c; ½-oz. 50c

**GYMNOCARPA.**—Fine, fern-like leaves, very graceful and showy; 1½ feet.

Pkt. 10c; ½-oz. 35c

**CERASTIUM**

(Snow in Summer)

**TOMENTOSUM.**—A very pretty dwarf white-leaved edging or rock plant, bearing small white flowers. Hardy, perennial. Pkt. 15c

We have Annual Flowering Plants in any quantity during April, May and June. See General Price List, page 78.

## COSMOS

Beautiful autumn-blooming plants. They produce thousands of beautiful flowers, furnishing an abundance of cut blooms for autumn decorations. Can be sown in spring in the open ground, when danger of frost is past, or if wanted early the seed should be started under cover and afterwards transplanted. Set plants not less than 18 inches apart. They prefer a soil rather light and not too rich, but do well almost anywhere.

NOTE.—Too much fertilizer and water will make all foliage and few flowers. (Plants, pg. 78.)

### Double Crested Extra Early

A new Cosmos of merit. "Double Crested" is unique and exceedingly pretty. Flowers are of good size, with full double centers, surrounded by a row of graceful ray petals. Very dainty and attractive (see illustration). The plants are vigorous, branching and well covered with blooms from September until frost. We offer and improved, selected, extra early strain of this variety. Start early and transplant 2 feet apart. Rather poor, light soil, no fertilizer and little water will give earlier blooms. Pink Beauty, Crimson King or White Queen or Mixed.

Pkt. 15c; 3 for 30c; ¼-oz. \$1.00

**MAMMOTH EARLY FLOWERING.**—A grand improvement over the first early flowering Cosmos introduced. "Early Mammoth" will give you a profusion of very large, graceful, long-stemmed flowers that will come into bloom in July and last until frost if planted early and given good care.

Early White, Pink, Crimson or Mixed.

Pkt. 10c; ¼-oz. 35c

**GIANT PERFECTION.**—Very large and perfect flowers often 3 to 4 inches across; plants 5 to 6 feet high. Blooms late.

Glant Mixed.

Pkt. 10c; ¼-oz. 25c



New Double Crested Cosmos

## COREOPSIS

(Lanceolata Grandiflora)

Hardy perennial, with large, showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants, having long stems and lasting in good condition a week or more. Easily grown from seed, flowering the first year, if sown early under glass. (Plants, pg. 84.)

Pkt. 10c; ⅛-oz. 35c

## CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, flowering from July to frost; excellent for cutting; height 2 feet. (For plants, see pages 76 and 84.)

Single Annual, Finest Mixed.

Pkt. 10c; ¼-oz. 50c

Double Annual, Finest Mixed.

Pkt. 10c; ⅛-oz. 25c

**LEUCANTHEMUM.**—(See Shasta Daisy under Daisies, page 56; Plants, page 87.)

## CINERARIA

(Hybridi Grandiflora)

We pride ourselves in offering the choicest strain of this gorgeous flower; grand, large blooms in umbel spikes are borne way above the foliage; colors and markings are superb; 1½ feet; tender annual; start under glass, pot and keep inside for pots. Pkt. 35c

## CLARKIA

This easily grown, hardy annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities. They do well either in sun or shade, growing 2 feet high, with leafy racemes of bright, pretty double flowers. Fine for cutting or massing in beds.

**SEPARATE COLORS.**—Double White, Crimson or Salmon Pink. Pkt. 10c; ⅛-oz. 40c

**ELEGANS DOUBLE MIXED.**

Pkt. 10c; ⅛-oz. 25c



Cosmos Plant in full bloom

**CULTURAL DIRECTIONS FREE.**—Our 2-page leaflet gives full instructions on growing flowers from seed. Free on request. Read it and be successful.



Cobaea Scandens

**COBAEA SCANDENS**

Our most popular and rapid climbing annual, flowering the first season. Pretty, purple, bell-shaped flowers appear in great profusion during the fall months; foliage very graceful; 10 to 15 feet. Start seed under glass. (For plant, see page 78.)

Pkt. 10c; 1/4-oz. 35c

**COLEUS**

Beautiful foliage plants for house or garden. Easily raised if started early under glass.

**HYBRIDA CHOICE MIXED.**—Best strain.

Pkt. 25c

**CHINESE WOOLFLOWER**

A new annual flower. Very showy, odd and novel. The bunches of wool-like glowing crimson flowers are produced in profusion. Flowers come early and do not fade until hit by frost. Height 2 to 3 feet. Start early and transplant after danger of frost is over. A large bed of these plants certainly produce a magnificent display and will be a dazzling blaze of color from early, until frost.

Pkt. 10c; 1/8-oz. 75c

**CYPRESS VINE**

A fast-growing annual vine, with feathery dark-green foliage and star-like flowers, July to October; 20 feet. Plant early in light soil and warm location.

Finest Mixed.

Pkt. 10c; 1/4-oz. 35c

**DAHLIA**

This very popular flower can easily be raised from seed; started inside in March will produce flowers in August.

**CACTUS MIXED.**—Double flowers with pointed or twisted petals. Pkt. 25c

**DOUBLE FINEST MIXED.**—Produce flowers of the "Show" or "Decorative Class." Pkt. 15c

**SINGLE GIANT PERFECTION.**—Single flowers of great size and beauty. Pkt. 10c

**DAHLIA BULBS.**—Latest and best. (See pages 92 to 94.)

**DAISIES**

**SHASTA DAISY.**—Very popular and desirable perennial; the large single white flowers are freely produced on long stems. We offer you the best strain in plants or seed. (See cut in Plant Department, page 87.)

Pkt. 10c; 1/8-oz. 50c

**DIANTHUS—PINKS**

(Garden Pink)

All varieties listed below are very desirable, and will flower the first season, even sown out of doors in May; they flower early and continue throughout the entire summer; they are excellent for cutting, and bedding; 1 foot. For hardy plants see page 84.

**CINENSIS (Chinese Pink).**—Large, showy flowers in unlimited variety of bright colors. Pkt. 10c; 1/4-oz. 50c

**HEDDEWIGII.**—(Japan Pink.) Beautiful rich colors. A very popular variety. Finest Mixed. Pkt. 10c; 1/8-oz. 50c

**FIREBALL.**—New, extra double, brilliant, dark scarlet; very beautiful.

Pkt. 10c; 1/8-oz. 50c

**SNOWDRIFT (Lanceatus).**—Extra large, pure white, double, fringed. Fine for border. Pkt. 10c; 1/8-oz. \$1.00

**PRIZE MIXTURE.**—Very rich mixture, all kinds. Unequaled. Pkt. 10c; 1/4-oz. 75c

**SEMPERFLORENS (Perennial Hardy Ever-blooming Garden Pinks).**—Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors.

Pkt. 15c; 1/8-oz. \$1.00



Didicus—Lace Flower

**DIDICUS—"Lace Flower"**

Hugelia Coerulea

A rare and lovely free-flowering half-hardy annual, growing about 18 inches high and branching nicely. Flowers light blue or lavender, very dainty and beautiful. The bloom is a cluster of tiny petaled flowers, quite full to the center, the pistils giving the appearance of dainty lace. Florists grow it under glass for cut flowers. Plants set in the garden bloom from June until late fall. A new flower here, but a native of Australia. (See cut.) Pkt. 15c; 1/8-oz. \$1.00

A HEDGE of Free Flowering Dahlias is AS BEAUTIFUL and more showy than a hedge of ROSES. They are in full bloom when other flowers ARE SCARCE. See pages 92 to 94.

**DELPHINIUM**

(Perennial Larkspur)

(See cut, page 85.) Handsome, hardy perennial plants for the herbaceous border and shrubbery, producing a profusion of splendid spikes of flowers throughout the summer. The beautiful, graceful, long-stemmed flower spikes make handsome bouquets and last well when cut. If started early will bloom the first season from seed. (For large plants for quick effect, see page 85.)

**R. R.'s PRIZE MIXTURE.**—Superb Gold Medal collection of choicest hybrids; new, rare and beautiful shades. Wonderful for cut flowers and should be planted generously.

Pkt. 15c; 1/4-oz. 75c

**BELLADONNA.**—Very free and continuous bloomer; delicate and beautiful; clear light blue, large flowers, 4 feet.

Pkt. 25c; 1/4-oz. \$1.25

**BELLAMOSUM.**—This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities.

Pkt. 25c; 1/4-oz. \$1.00

**CHINENSE (Blue Butterfly).**—A distinct and neat variety growing about 18 inches high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue.

Pkt. 15c; 1/4-oz. 50c

**CARDINALE.**—Brilliant scarlet. Pkt. 25c

**NEW ENGLISH DELPHINIUMS****Wonderful Spikes of Rare Colored Giant Flowers**

Blackmore & Langdon of England have become the most celebrated growers of Delphiniums. They have rightfully earned the greatest number of AWARDS of MERIT given for Delphiniums in the exacting English Flower Shows, for they have opened the door to the tremendous possibilities of this exquisite blue perennial; they have brought a new conception of what Delphiniums ought to be in size and greater range of color in unbelievable blues; they have shown what gratifying, practical results can be obtained through the Delphinium specialist power to add delightful color, stately beauty and intriguing interest to either the charming little garden or formal arrangement of large grounds.

The seed we now offer our customers is not direct from England, but superior; it's Oregon grown, acclimated and high in germinating power; gathered from only the "cream" of over a hundred named kinds by our growers, who have specialized for years on Delphiniums only, devoting their most careful attention to trying out "various" prize-winning, world-famous varieties. Every plant that could not stand a rigid test for vigorous, healthy growth, perfection and giant size and beauty of flower has been pulled up and destroyed so as to leave only the choicest, rarest and most charming, from which our seed has been carefully hand picked and blended. We offer it as Wing's reselection of Blackmore & Langdon's Prize-winning Giants.

Pkt. 65c

**Watkins Samuels, Wrexham Strain**

Saved from plants grown from his famous named varieties, mixed.

Pkt. \$1.50

**Named Varieties of Special Merit**

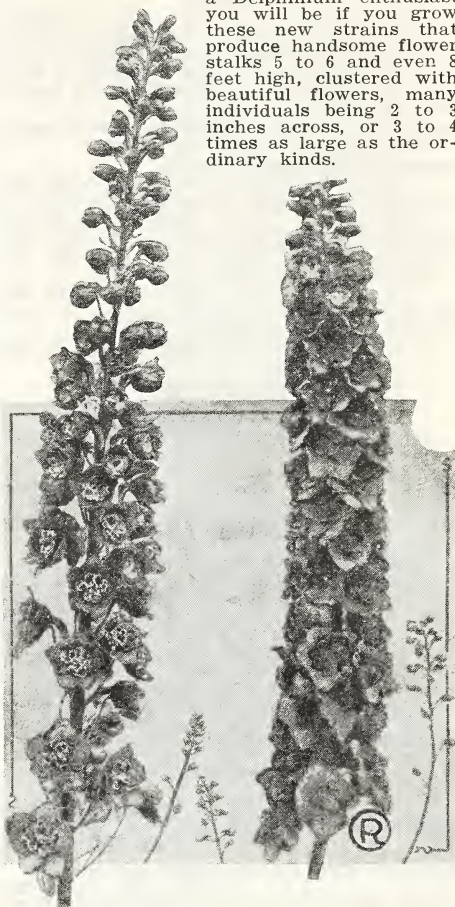
**AVIATOR.**—Single, "Crater Lake" blue, wonderful flower spikes over 7 ft.

Pkt. \$1.50

**SPRINGTIDE.**—Semi-double, pink and lavender, white eye beautiful.

Pkt. \$1.50

**NOTE.**—If you are not a Delphinium enthusiast you will be if you grow these new strains that produce handsome flower stalks 5 to 6 and even 8 feet high, clustered with beautiful flowers, many individuals being 2 to 3 inches across, or 3 to 4 times as large as the ordinary kinds.

**English Delphinium**

**SIR GALLAHAD.**—Single, 3-in. flowers, of a lovely deep dark shade, brown bee.

Pkt. \$1.50

**VISION.**—Single, forget-me-not blue, tinged pink 3-in. flowers, bronze bee.

Pkt. \$1.50

**OTHER VARIETIES.**—Send for complete description list.

**PLANTS.**—Seedling plants of above, \$1.50 each. Divided Roots or Rooted Cuttings, true to color, \$5.00 each. (See others page 85.)

**DIMORPHOTHECA**

(African Daisies)

Hardy annual, great favorites on account of their extremely showy flowers, which are borne most profusely all summer; neat little plants 12 to 15 inches.

**AURANTIACA.**—Its Marguerite-like blossoms, 2 inches in diameter, with a rich, glossy orange-gold; conspicuous dark colored disc.

Pkt. 10c; 1/8-oz. 35c

**AURANTIACA HYBRIDS.**—These come in all colors, with different colored zones; rare shades, rich and interesting.

Pkt. 10c; 1/8-oz. 25c

**DIGITALIS**

(Foxglove)

Hardy perennials; very desirable for effective massing or grouping; invaluable either in the hardy border, between shrubs or in solid beds in open or shady places; 3 to 5 feet. For strong field-grown flowering plants, see page 82.

**GLOXINAEFLORA**.—A fine strain with handsome spotted gloxinia-like flowers.

White, Purple, Rose or Mixed.

Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

**GRANDIFLORA YELLOW**.—Light yellow in good spikes.

Pkt. 10c;  $\frac{1}{8}$ -oz. 40c

**MONTROSA** (Mammoth Foxglove).—The tall spikes of flowers are surmounted by one monstrous bloom; all colors mixed.

Pkt. 10c;  $\frac{1}{8}$ -oz. 40c

**BEAUTY MIXTURE**.—A grand mixture of all kinds, colors and shades.

Pkt. 10c;  $\frac{1}{8}$ -oz. 50c

**DOLICHOS**

(Hyacinth Bean)

Annual climbers; beautiful foliage and clusters of hyacinth-like purple and white flowers, borne in clusters; 10 feet; July.

White, Purple or Mixed. Pkt. 10c; oz. 25c

**ESCHSCHOLTZIA**

(California Poppy)

One of the most popular garden annuals; 1 foot. Sow the seed where plants are to remain in the fall or early spring. It stands considerable cold and blooms early, profusely and continuously until July. Later sowings for late flowers. (See cut.)

**New Hybrida Grandiflora Mixture**.—This is a wonderful mixture of all the new colors and novelties in the erect large flowering Eschscholtzia. You will find a large percentage of soft pink, scarlet, copper-red, cream, claret, royal purple and other rich and rare tones.

Pkt. 15c; 2 for 25c;  $\frac{1}{4}$ -oz. 40c

**Californica**.—Bright yellow. Pkt. 10c; oz. 40c

**Alba**.—Pure white. Pkt. 10c; oz. 40c

**Carmine King**.—A beautiful rose carmine.

Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

**Golden West**.—Very large, bright yellow flowers with orange centers.

Pkt. 10c; oz. 40c

**Finest Mixed**.—All shades. Pkt. 10c; oz. 40c

**ECHINOCYSTIS LOBATA**

(Wild Cucumber)

The fastest-growing annual vine in existence; will grow 20 feet in six weeks; pretty foliage and inconspicuous white flowers; soak seed in water over night before planting in dry weather.

Pkt. 10c; oz. 35c

**GAILLARDIA**

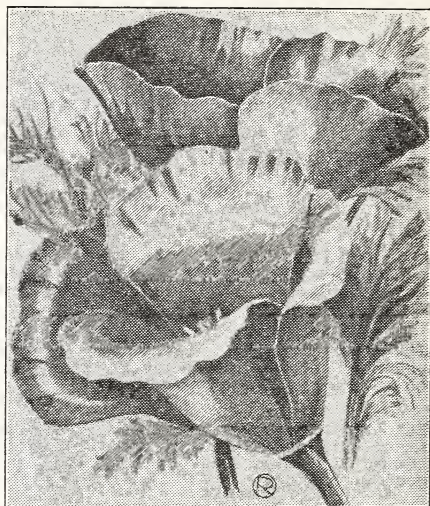
(Blanket Flower)

Splendid, showy plants for beds or borders; excellent for cutting; the hardy perennial varieties; if sown early will bloom the first season; July to frost; 1½ feet. (Field-grown plants, page 85.)

**GRANDIFLORA SUPERBA**.—Hardy perennial, splendid mixed single varieties in crimson and gold. Pkt. 15c;  $\frac{1}{8}$ -oz. 40c

**LORENZIANA**.—Hardy annual; double flowers in red and yellow shades.

Pkt. 10c;  $\frac{1}{8}$ -oz. 25c



Eschscholtzia—California Poppy

**GODETIA**

(Satin Flower)

This showy, hardy annual deserves greater popularity. Attractive flowers of satiny texture, from white to all shades of pink and crimson. They grow rapidly and flower profusely in poor soil, or easy cultivation. Fine for seashore or mountain resorts; 1 foot; July to October.

**Dwarf White, Bright Red or Finest Mixed or Tall Double Mixed**. Pkt. 10c;  $\frac{1}{8}$ -oz. 25c

**GOURDS**

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful.

**Calabash**.—The famous pipe gourd, dipper shaped. Pkt. 10c; oz. 40c

**Egg, Hercules, Dipper, Dish Cloth, Pear or Mixed**, all kinds. Pkt. 10c;  $\frac{1}{4}$ -oz. 15c

**GERANIUM**

**ZONALE, MIXED**.—A superb strain of the largest and finest varieties. Should be started indoors and transferred to the open in May or June. Pkt. 25c

**GEUM**

**MRS. BRADSHAW**.—A beautiful hardy perennial, bearing profusely showy double dark-crimson flowers all through the summer; a beautiful and popular flower for bouquets, beds and borders. (For Plants, see page 85.) Pkt. 10c;  $\frac{1}{8}$ -oz. 50c

**GOMPHRENA**

(Globe Amaranth)

A dwarf hardy annual, with pretty clover-like beads of purple, white and red flowers; 2 feet; flowers everlasting.

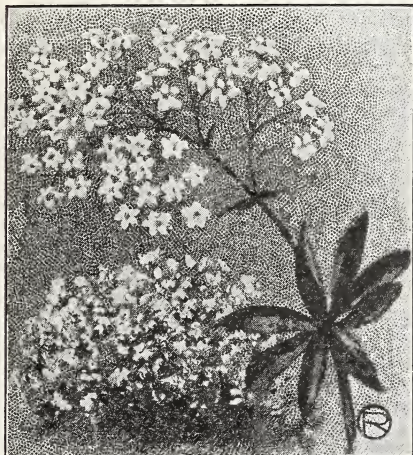
**Finest Mixed**. Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

**MORE HARDY FLOWERING SHRUBS** should be planted in the West—they give no trouble, increase in size and grow more beautiful year by year. See pages 100 to 104.

**GYNERIUM**

(Pampas Grass)

**ARGENTEUM.**—Hardy perennial; the famous Pampas Grass, with beautiful silvery plumes; 10 feet. Pkt. 10c

**Gypsophila—Baby's Breath****GYPSOPHILA**

(Angel-Baby's Breath)

Pretty free-flowering, elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. The annuals should be sown early in the spring, again in midsummer for a continuous supply.

**ELEGANS ALBA GRANDIFLORA.**—Hardy annual, easily grown from seed; flowers small, pure white; 2 feet; June. Pkt. 10c; ¼-oz. 25c

**"PARIS MARKET."**—**GRANDIFLORA ALBA.** Improved variety of above with larger, pure white flowers. Pkt. 10c; ¼-oz. 30c

**ELEGANS ROSEA GRANDIFLORA.**—Hardy annual; flowers delicate pink; very dainty. Pkt. 10c; ¼-oz. 35c

**ELEGANS CARMINEA.**—A recent introduction of a deep carmine. Annual. Pkt. 10c; ¼-oz. 35c

**MURALIS.**—Hardy perennial; plants dwarf, about 6 inches; flowers shell pink; fine for borders or rock work. Pkt. 10c; ¾-oz. 25c

**PANICULATA.**—Hardy perennial; one of the finest for cutting; pure white flowers, very small, and borne in large, delicate sprays; June to September; 3 feet. Pkt. 10c; ¾-oz. 25c

**PANICULATA FL. PL.**—New, double-flowering. White. Pkt. 25c; 3 for 60c

(For strong roots of *G. Paniculata* for immediate effect, see page 85.)

**HELIOTROPE**

Delightfully fragrant, half-hardy perennial; popular pot and garden bedding plant; also for cutting. Some of the best plants may be raised from seed very readily; 1½ feet; start inside or under glass.

**FINEST MIXED.** Pkt. 10c; ¾-oz. 50c

**Helianthus—New Miniature****HELIANTHUS**

(Sunflower)

Hardy annual Sunflowers are indispensable for cutting and a bright display of yellow flowers in the garden. Plant early.

**CUCUMERIFOLIUS — STELLA** (Improved Miniature Sunflower). Grows about 3 feet tall, covered with pretty single flowers of the purest golden yellow, with black disc. Fine for cutting. Pkt. 10c; ¼-oz. 35c

**NEW MINIATURE MIXED.**—A multitude of new varieties. They all differ from the parents, most of them being larger, and many with curiously twisted petals. The prevailing colors are pale yellow, golden yellow and creamy white, some with black centers, and all beautiful; for cutting they are indispensable. Pkt. 10c; ¼-oz. 35c

**GLOBOSUS FISTULOSUS** (Globe or Dahlia Sunflower). Flowers large, double, very full in the center and of a rich saffron color; 6 feet; annual. Pkt. 10c; ¼-oz. 25c

**PERENNIAL MIXED.**—A choice mixture of the best perennial varieties. Pkt. 15c; ½-oz. \$1.00

**HELENIUM**

Hardy perennials, bearing in profusion during summer and fall, beautiful flowers for display or cutting. (Plants, page 85.)

**Autumnale Superbum.**—Massive spreading heads of deep golden yellow flowers; 5 feet. Pkt. 10c

**Riverton Beauty.**—Rich lemon-yellow with purplish black cone. (4 feet.) Pkt. 10c

**Riverton Gem.**—Old gold changing to wall flower red. Admired by all. (4 feet.) Pkt. 10c

**HELICHRYSUM**

(Straw Flower)

**Monstrosum Fl. Pl.**—One of the best of "Everlastings." Make a fine display in the garden. Especially grown to dry and use in baskets and vases through the winter. When half open cut, strip off all leaves and hang head downward in a dark, dry place until cured; plant 12 inches apart; hardy annuals; 2½ feet.

**Fireball, Goldenball, Salmon Queen, Silverball or Double Mixed.** Pkt. 10c; ¾-oz. 35c

**FEED YOUR PLANTS.**—You must supply "feed," in other words, fertilizer, if you want the best results. Read about "H. Q." Sheep Fertilizer, page 39.

**HOLLYHOCK**

One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers, it is without equal. Seed sown any time before late summer will produce fine plants for flowering next year.

**CHATER'S DOUBLE.**—Our superb strain of this is the best that can be produced; seeds saved from the most double flowers.

White, Rose, Crimson, Yellow, Rose, Salmon Rose or Mixed. Pkt. 10c; ¼-oz. 75c

**NEWPORT PINK.**—New. The finest pure pink variety, exquisite in shade, flowers double. Pkt. 15c; ½-oz. 40c

**ALLEGHENY.**—Semi-double; mammoth flowers, having the edges of the petals finely fringed and lacinated; will bloom the first year if sown early.

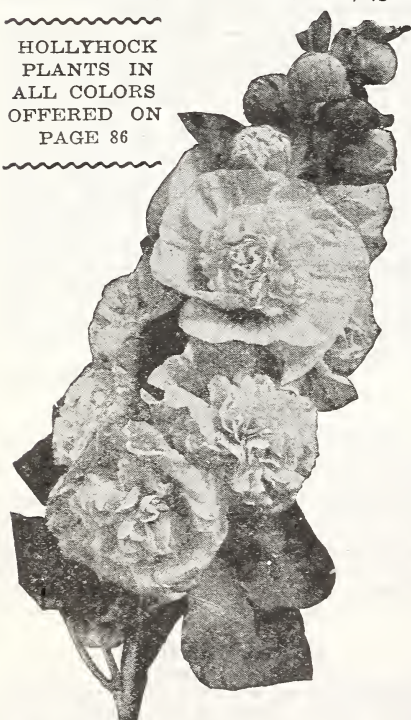
Choicest Mixed. Pkt. 10c; ¼-oz. 60c

**NEW ANNUAL EVER-BLOOMING.**—Seeds sown in the house in March will produce flowers in July on plants 4 feet high; however, the plants do not attain their perfection until their second year, when they grow 6 to 8 feet high, and flower continuously from June till frost.

Single Mixed. Pkt. 10c; ½-oz. 50c

Double Mixed. Pkt. 15c; ½-oz. 75c

~~~~~  
HOLLYHOCK  
PLANTS IN  
ALL COLORS  
OFFERED ON  
PAGE 86  
~~~~~



Semi-Double Hollyhock

**HUNNEMANNIA**

**FUMARIAEFOLIA** (Giant Yellow Tulip Poppy).—Hardy annual; foliage fern-like; flowers tulip-shaped, golden yellow; very showy; July to frost.

Pkt. 10c; ¼-oz. 35c

**HUMULUS**

(Japanese Hop)

Hardy annual climber; of rapid growth; attains a height of 12 feet. Cut, opposite page.

**JAPONICA VARIEGATA.**—Foliage green and white; very pretty and effective; not affected with insects. Pkt. 10c; ¼-oz. 35c

**ENGLISH HOP ROOTS.** Pg. 112. Each 15c



Humulus—Japanese Hop

**KOCHIA**

**SUMMER CYPRESS or BURNING BUSH.**—

Annual; forms dense bushes of upright plumage-like foliage; during the summer they remain light green and in early fall they change to carmine and blood red; 2 feet; make a dainty and showy hedge or nice single specimens.

Pkt. 10c; ¼-oz. 35c

**KUDZU VINE**

(*Pueraria Thumberglana*)

A twining vine of remarkably rapid growth, attaining a length of from 40 to 50 feet in one season from established roots; a hardy perennial, though the vine dies down every winter in the North. Foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. A fine vine for arbors, verandas, etc. Easily grown from seed.

Pkt. 10c; ¼-oz. 50c

**LINUM**

(Flowering Flax)

**GRANDIFLORUM RUBRUM** (Scalet Flax).—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 1 ft.

Pkt. 10c; ¼-oz. 25c

**LATHYRUS LATIFOLIUS**

**PERENNIAL SWEET PEA.**—Free flowering, hardy perennial climbers, bearing beautiful flowers all season.

White or Pink.

Pkt. 15c; ¼-oz. 75c

Mixed.

Pkt. 10c; ¼-oz. 50c

**LARKSPUR—Annual**

Unsurpassed by any other hardy annual. Seed sown in the open ground in April or May will produce flowers from July to frost. Their free, graceful habit and lovely bright flowers are very effective for beds or borders. Charming cut flowers for decoration.

**TALL DOUBLE STOCK FLOWERED.**—The finest tall branching variety with splendid sprays of beautiful flowers; 3 feet. White, Pink, Lustrous Carmine—Sky Blue, Dark Blue or Mixed. All colors Pkt. 10c; ¼-oz. 50c

**EXQUISITE.**—New, a beautiful soft pink. A charming new shade that will be highly prized by florists.

Pkt. 15c; ¼-oz. 35c

**TALL HYACINTH—FLOWERED.** The flowers are very large, double, and come in the most beautiful colors. The tall, handsome spikes of flowers are produced early in the season. Excellent for bouquets.

Finest Mixed. Pkt. 10c; ¼-oz. 40c

**DOUBLE DWARF ROCKET.**—1 foot; compact growing bush, splendid spikes of double flowers in all colors.

Mixed. Pkt. 10c; ¼-oz. 40c

**EMPEROR.**—Slender spikes of exquisite double flowers in unlimited quantity and of delicate shades; 2 feet.

Mixed. Pkt. 10c; ¼-oz. 40c

**PERENNIAL LARKSPUR.**—(See Delphinium, page 57; plants, page 85.)

**LUPINUS**

Ornamental, free-flowering, easily grown, with long, graceful, upright spikes of rich and variously colored pea-shaped flowers; valuable for mixed borders and beds.

**ANNUAL TALL MIXED.**—Valuable for cutting; 2 feet.

Pkt. 10c; ¼-oz. 35c

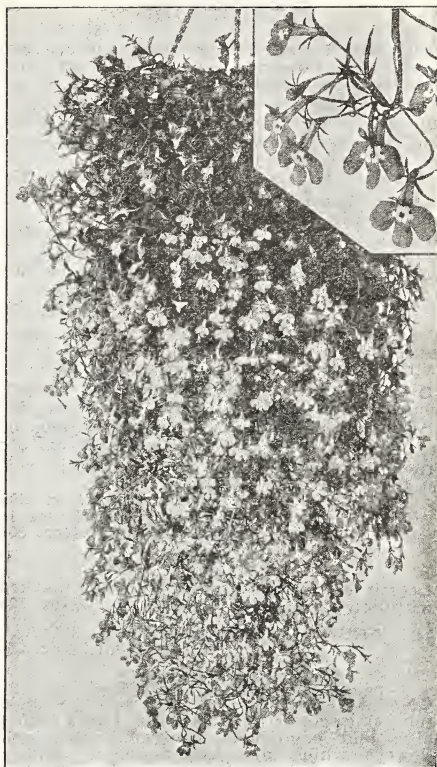
**POLYPHYLLUS MIXED.**—Showy perennials, growing stout and erect; good for cutting, flowers in white, rose and blue colors; 3 feet; May and June.

Pkt. 10c; ¼-oz. 35c

Our 2-page  
Leaflet  
"HOW TO  
GROW FLOW-  
ERS FROM  
SEED,"  
Free on  
Request



Mignonette—Flower Spikes (See page 62)



Trailing Lobelia—Sapphire

**LOBELIA**

**ERINUS GRACILIS.**—Trailing, excellent for vases, hanging baskets and window boxes. Bright blue flowers. Pkt. 10c; ½-oz. 35c

**SPECIOSA.**—Trailing, true dark blue flowers, with dark foliage. Pkt. 10c; ½-oz. 40c

**HYBRIDA SAPPHIRE.**—A beautiful trailing Lobelia; very large, deep sapphire blue flowers, with a large and clear white eye; very free flowering; extra long trailer.

Pkt. 15c; ½-oz. 75c

**CRYSTAL PALACE COMPACTA.**—Little dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; height 4 inches.

Pkt. 10c; ½-oz. 50c

**WHITE GEM.**—Compact little plants, covered with snow-white flowers. Pkt. 10c

**CARDINALIS (Cardinal Flower).**—Hardy perennial garden plant, with spikes of deep cardinal red flowers; August and September; 3 feet.

Pkt. 15c; ½-oz. \$1.00

**LYCHNIS**

**CHALCEDONICA.**—Hardy perennial producing bright scarlet flowers of maltese cross form, in medium size flat umbels, handsome for beds and borders. Of easy culture, blooming the first year if sown early. Very bright and showy, 2 to 3 feet. Pkt. 10c; ½-oz. 30c

**GLADIOLI BULBS** make a beautiful display when in bloom and are of the easiest culture and really not expensive, as they multiply rapidly. See pages 88 to 92.

## MARIGOLDS

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective.

**TALL AFRICAN, DOUBLE.**—(See cut.) Splendid for cutting and decoration; 3 feet.

**Orange Prince.**—Enormous double flowers of rich deep golden orange.

Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

**Lemon Queen.**—Extra large double flowers of a clear canary yellow.

Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

**Eldorado.**—Double flowers of large size in all shades of yellow. Pkt. 10c;  $\frac{1}{8}$ -oz. 40c

**Tall African Double Mixed.**—All shades.

Pkt. 10c;  $\frac{1}{4}$ -oz. 35c

**DWARF FRENCH.**—These form small, compact bushes about 12 inches high, covered with smaller but very rich colored flowers.

**Dwarf Golden Ball.**—Flowers ball-shaped, pure golden yellow. Pkt. 10c;  $\frac{1}{8}$ -oz. 30c

**Dwarf Dark Brown.**—Rich reddish-brown or mahogany; double. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

**Dwarf Striped.**—Very double, mahogany red, striped with gold. Very attractive.

Pkt. 10c;  $\frac{1}{4}$ -oz. 40c

**Dwarf French Double Mixed.**—All shades in solid and striped colors. Pkt. 10c;  $\frac{1}{4}$ -oz. 35c

### Dwarf French Single

**Legion of Honor.**—Golden yellow marked with velvety brown. Pkt. 10c;  $\frac{1}{8}$ -oz. 30c

**TALL FRENCH DOUBLE MIXED.**—2 feet. Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

### New Dwarf Marigold

**SIGNATA PUMILA.**—A miniature marigold flowering, compact little plant, 6 to 8 inches high and completely covered with single flowers which are bright yellow with a brown stripe down the center of each petal. Very striking for edgings. Planted with Lobelia. Pkt. 15c; 2 for 25c

## MIGNONETTE

(Reseda)

A universal favorite; very fragrant; no home garden is complete without Mignonette. It needs a cool soil only moderately rich; grows 8 to 15 inches high and is treated as a half-hardy annual. (See cut page 61.)

**GRANDIFLORA.**—Large flowering, sweet, fragrant, spikes of greenish yellow color. Pkt. 10c; oz. 35c

**DEFIANCE.**—Giant spikes; flowers abundant and very fragrant. Pkt. 10c;  $\frac{1}{4}$ -oz. 25c

**GOLIATH RED.**—Excellent for pots or garden; highly colored. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

**WHITE PEARL.**—New; the best white flower; very attractive. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

## MIMULUS

**MOSCHATUS (Muskplant).**—A pretty, trailing plant with small yellow flowers, giving forth a musk-like fragrance; fine for hanging baskets, etc. Annual. Pkt. 15c

### Well Pleased

Weippe, Idaho, June 8, 1925.

Routledge Seed & Floral Co.

Dear Sirs: I just received a small shipment of plants from you, and they were awfully nice. They weren't even wilted. Many thanks for your kind attention.

Very truly yours,

MRS. O. T. HUTCHENS.



African Marigold

## MESEMBRYANTHEMUM

Dwarf trailing plants of great beauty blooming the whole summer, thriving best in a dry, loamy or sandy soil; half-hardy annuals; 12 to 15 inches.

**TRI-COLOR.**—Very dainty, pointed petaled, brilliant salmon-pink flowers. Pkt. 15c

**CRYSTALLINUM (Ice Plant).**—Flowers white, prized for its singular icy foliage. Pkt. 15c

## MYOSOTIS

(Forget-Me-Not)

Few spring flowers are more admired than the lovely Forget-Me-Nots, which are especially effective when grown in masses. Hardy perennials if given slight protection through the winter.

Seed may be sown any time from spring till mid-summer. The Alpestris and Dissitiflora come into bloom in April, and are largely used for bedding between plantings of Dutch flowering bulbs. The Palustris sorts do not bloom till May, but continue till fall. (Perennial plants, page 85.)

**DISSITIFLORA.**—Rich blue; early flowers in fine sprays; 6 inches. Pkt. 15c;  $\frac{1}{8}$ -oz. \$1.50

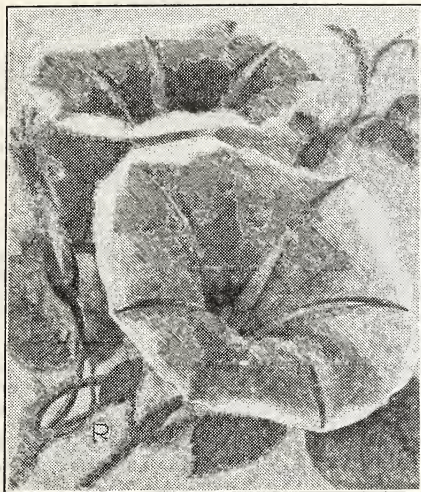
**ALPESTRIS VICTORIA.**—Of bushy habit; bearing large, double, bright blue flowers; yellow eye; very fine; 6 inches. Pkt. 10c;  $\frac{1}{8}$ -oz. \$1.00

**ALPESTRIS ROYAL BLUE.**—Rich indigo blue; 9 inches. Pkt. 15c;  $\frac{1}{8}$ -oz. 50c

**FINEST MIXED.**—A mixture of blue, rose and white varieties. Pkt. 10c;  $\frac{1}{8}$ -oz. 40c

**PALUSTRIS SEMPERFLORENS.**—Perennial; flowers bright blue; blooms from early spring until autumn. Pkt. 15c;  $\frac{1}{8}$ -oz. \$1.00

**BEAUTIFUL LILIES.**—You will find the most popular as well as new and rare varieties on pages 81 and 82. **PLANT MORE.**



Morning Glory

**MARVEL OF PERU**

(Four o'Clock)

Hardy annual, flowering from July to October; brilliant colors; 3 feet.  
Finest Mixed. Pkt. 10c; oz. 35c

**MOONFLOWER—Ipomoea**

**GRANDIFLORA ALBA.**—Large, heart-shaped leaves, and large, pure white flowers, which open only late in the evening; 10 feet. Pkt. 15c; ¼-oz. 25c

**MORNING GLORY**

(Ipomoea)

The tall varieties are popular, well known, rapid-growing climbers of the easiest cultivation; very fine for covering arbors, trellises, porches, etc.; give them rich soil and a warm situation. The Minor or Dwarf varieties flower very freely.

**CONVOLVULUS MAJOR.**—Tall, choice, single mixed; all colors. Pkt. 10c; oz. 35c

**CONVOLVULUS MINOR.**—Dwarf mixed. Very spreading; 12 inches. Pkt. 10c; oz. 35c

**IMPERIAL JAPANESE FRINGED.**—These have very large fringed flowers in a great variety of the most exquisite colorings; handsome foliage. Pkt. 10c; oz. 50c

**DOUBLE MIXED.** Pkt. 15c; ¼-oz. 35c

**CHOICE PRIZE MIXTURE.**—This is a mixture of both American and Japanese varieties; very choice. Large Pkt. 10c; oz. 50c (Note.—Soak the Japanese Morning Glory seed in warm water for 24 hours before planting.)

**NEMESIA**

**GRANDIFLORA COMPACTA TRIUMPH.**—A very pretty, half-hardy, free-flowering annual; the plants grow about a foot high and the beautiful, dainty flowers are very varied in color, including rose, yellow, blue, orange, etc. An ideal bedding plant. Seed sown in the autumn makes beautiful pot plants for early spring blooming. Mixed Colors. Pkt. 10c; ¼-oz. 75c

**NICOTIANA**

One of the easiest annuals to raise and one of the most effective. The flowers are long tubed, star-shaped, and are produced in great profusion. The flowers open toward evening and emit a powerful perfume.

**AFFINIS.**—Delightfully sweet-scented, pure white flowers, blooming continually; 2 to 3 feet. Pkt. 10c; ¼-oz. 25c

**AFFINIS HYBRIDA.**—Splendid hybrids in blue, red and rose, etc., shades. Pkt. 10c; ¼-oz. 30c

**SANDERAE.**—Of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers; all-summer valuable border plant; 3 feet. Pkt. 10c; ¼-oz. 30c

**NIGELLA**

(Love In a Mist—Devil in the Bush)

A compact free-flowering plant with finely cut foliage and pretty feathery flowers; hardy annuals; blue and white; 1½ feet.

Double Mixed. Pkt. 10c; ¼-oz. 15c

**MISS JEKYLL.**—A lovely variety with cornflower blue blossoms; splendid for cutting. Pkt. 10c; ¼-oz. 25c

**NASTURTIUM—TALL OR CLIMBING**

The most popular and most beautiful free-flowering annual climbing vines. These are all of strong, vigorous growth, throwing out running shoots that can be trained upon strings or wires, or can be readily made to climb ordinary paling fences or wire netting. They are very showy also planted at the top of a steep slope and allowed to run down the bank. We offer only the finest strains, producing the largest and richest flowers.

Your choice, Pkt. 10c; full collection, 8 kinds; 50c; per oz., any kind, 25c.

**Asa Gray.**—Light yellow, almost white.

**Black Prince.**—Velvety crimson, dark leaved.

**Firefly.**—Bright yellow, spotted cardinal red, calyx and spur ruby; very pretty and showy.

**Golden Queen.**—Sunflower yellow, very fine.

**Primrose.**—Creamy yellow, very pleasing.

**Princess Victoria Louise.**—Cream white, scarlet spot.

**Regina.**—Beautiful light salmon.

**Spitfire.**—Bright fiery scarlet.

**Tall Prize Mixture**

**Routledge Tall Prize Mixture.**—This is undoubtedly the finest mixture of tall nasturtiums offered anywhere; every shade is grown separately and then mixed; dark leaved. Large Pkt. 15c; oz. 25c; ¼-lb. 60c

**Tall Choice Mixed.**—A very fine selection of beautiful varieties. Large Pkt. 10c; oz. 15c; ¼-lb. 50c

**Ivy-Leaved, Finest Mixed.**—The ivy leaves, borne on very slender stems, are of a dark metallic color, which forms a striking contrast to the beautiful flowers; an excellent variety for vases, hanging baskets, etc. Pkt. 10c; oz. 25c

**Variegated Queens.**—A new strain of tall Nasturtiums having beautifully variegated leaves; green, white and yellow; flowers large and of many bright colors.

Superb Mixed

Pkt. 10c; oz. 25c

**STEM-U-PLANT.**—A Fertilizer in "tablet" form, is very convenient, clean and satisfactory way to supply necessary plant food. See page 39.

**NASTURTIUMS—Continued****DWARF NASTURTIUMS**

These are of dwarf, compact, rounded growth and are especially desirable for planting as borders to flower-beds or along garden walks. As with all Nasturtiums, they succeed best on light, well-drained soils or in slightly raised beds.

**Aurora.**—Terra cotta, reddish orange.

**Beauty.**—Yellow and scarlet, very pretty.

**Bronze.**—Reddish golden bronze, rich.

**Crystal Palace Gem.**—Rich yellow, spotted maroon.

**Empress of India.**—Dark scarlet, dark leaved.

**Golden King.**—Rich Indian yellow, dark leaved.

**Vesuvius or Salmon Queen.**—Salmon rose.

Price, all above Dwarf varieties, Pkt. 10c;

Full Collection of 7 Pkts. 50c; per oz. 25c.

**R. R.'s Dwarf Beauty Mixture**

Composed of new and rare sorts; exceedingly brilliant and beautiful. A mixture of very lovely, true dwarf varieties.

Large Pkt. 15c; oz. 25c; ¼-lb. 60c

**CHOICE DWARF MIXED.**—Not equal to above, but far superior to most mixtures.

Large Pkt. 10c; oz. 20c; ¼-lb. 50c

**PORTULACA**

Low-growing or creeping tender annual, six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant and gorgeous colors. The foliage and stems are thick. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground; excellent for embankments.

Single, Finest Mixed. Pkt. 10c; ¼-oz. 40c

Double, Finest Mixed. Pkt. 15c; ¼-oz. 75c

**PENTSTEMON**

(Beard Tongue)

The handsome, brilliant flowers are borne on long terminal spikes, much resembling Gloxinias. Perennial; will bloom the first season if sown early; 3 feet. All colors from yellow to red and purple. (Plants, pg. 86.)

**HYBRIDA MIXED.** Pkt. 10c; ¼-oz. 50c

**PHLOX DRUMMONDI**

One of the showiest and most easily raised of all annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors; 1 foot. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

**DRUMMONDI GRANDIFLORA, MIXED.**—A splendid mixture of all shades and colors. Pkt. 10c; ¼-oz. 35c.

**SEPARATE COLORS.**—White, Pink, Rose, Scarlet, Lilac, Primrose or Striped. Pkt. 10c; ¼-oz. 50c

**DECUSSATA** (Tall Perennial Phlox).—One of the finest perennials with its extremely large heads of the most magnificent colored flowers, blooming in August and September. Pkt. 10c; ¼-oz. \$1.00

**PERENNIAL PHLOX PLANTS** on page 86. All kinds Annual Plants, page 78.

Grants Pass, Ore., March 18, 1925.

Routledge Seed Co.

Gentlemen: Received my order promptly and in excellent condition and thank you for the nice extras you sent.

Respectfully,

LILLIAN HUSSEY.

**PRIMULA**

(Primrose)

The first two varieties named below are hardy, early-blooming garden plants, and the others beautiful winter-blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a rich, loamy soil. (Plants, 86.)

**POLYANTHUS** (Veris Mixed).—Early blooming, dwarf growing plants, valuable for outdoor bedding and edging, 8 inches, perennial. Mixed. Pkt. 15c.

**VULGARIS** (Veris Aureum).—Yellow, common, English Primrose; hardy garden variety; perennial; 8 inches. Pkt. 15c

**OBCONICA GRANDIFLORA HYBRIDS.**—A lovely, profuse bloomer, bearing beautiful clusters of single flowers, for pots only. Pkt. 25c

**SINENSIS OR CHINESE PRIMROSE.**—Beautiful, large, fringed flowers; especially fine for winter and spring flowers in the house; free bloomers. Pkt. 35c

Finest Mixed.

**PYRETHRUM**

**AUREUM.**—Golden Feather.—Half-hardy, perennial; valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants; 6 inches. Pkt. 10c

**HYBRIDUM GRANDIFLORUM.**—Produce in early spring and again in the fall, large daisy-like flowers in a wide range of colors. Excellent for cutting. Perennial. Hybridum Single Mixed. Pkt. 15c; ¼-oz. \$1.00

**PETUNIA**

One of our easiest cultivated and freest flowering annuals. Will succeed almost anywhere and give a continuity of the most brilliant bloom from June till killed by frost. Excellent for balcony or porch boxes. The strains we offer are the very choicest obtainable.

**SINGLE VARIETIES**  
**Ruffled Giants, Prize Mixture**

**Ruffled Giant Prize Mixture.**—This strain produces in great profusion enormous flowers, having edges of petals beautifully ruffled and fluted; of great variety of colors, many being beautifully veined; unsurpassed for size and beauty.

Pkt. 35c; 1,000 seeds \$3.00

**New Fringed Hybrida**

A lovely petunia with charming fringed flowers of exquisite forms and beautiful colors. Not equal in size to Ruffled Giant, but they are more delicate and really beautiful.

Pkt. 25c; 3 for 60c

**LARGE-FLOWERED FINEST MIXED.**—Fine large flowers in superb mixture.

Pkt. 15c; ½-oz. \$1.00

**FINE MIXED.**—An assortment of medium-sized flowers; fine for bedding.

Pkt. 10c; ½-oz. 50c

**New—Separate Colors**

**PINK TRIUMPH—NEW.**—Of large size, beautifully ruffled, a clear, bright pink. A charming free-flowering variety.

Pkt. 20c; 3 for 50c

**GIANT WHITE.**—Unrivalled for beauty of texture and size. A glistening satiny white with yellow throat.

Pkt. 20c; 3 for 50c

**ELKS' PURPLE.**—Giant single purple.

Pkt. 35c

**PRIDE OF PORTLAND.**—Beautiful fringed pink. Very popular local variety.

Pkt. 35c

**BALCONY PETUNIAS.**—A new and splendid free, large-flowering type for windows, baskets, vases or bedding.

Balcony, White, Rose or Deep Blue.

Pkt. 20c; 3 for 45c

**ROSY MORN.**—Soft carmine pink, with white throat. A wonderful bloomer and fine for beds or border.

Pkt. 10c; ½ oz. 75c

**DOUBLE PETUNIAS**

All of our Double Petunias are selected with greatest care, and contain as large a percentage of double flowers as it is possible to obtain.

**GIANT DOUBLE, FINEST MIXED HYBRIDS.**—A new and exceptionally fine strain; unsurpassed for the large, beautifully colored double flowers.

Pkt. 50c; 500 seeds \$3.00

**GIANT DOUBLE MIXED.**—Large fringed flowers of wonderful form and beauty. Quite true.

Pkt. 35c; 500 seeds \$2.50

**CHOICE DOUBLE MIXED.**—Large per cent of double flowers.

Pkt. 25c; 500 seeds \$2.00

**New Fringed Hybrida****POPPY — PAPAVER**

Universal favorite of the easiest culture. They produce a wealth of the most beautiful and showy blooms. Both perennial and annual poppies bloom the first year from early-sown seed. Perennial varieties will, but annuals will not, transplant safely, therefore sow the annuals where they are to remain and thin out, giving each plant ample room to grow and develop.

**FLANDERS.**—The scarlet poppy of the fields of Flanders, made famous in the song and story of the great war and familiar to all members of the A. E. F. who served in Belgium and France. Remarkable for their tenacity of growth and their profuse flowering quality. Flowers satiny, crinkled, bright scarlet, nicely poised on slender stems. About the size of Shirley. Flower first season from early-sown seed.

Pkt. 10c; ¼-oz. 25c

**CARNATION FLOWERED (Annual).**—Splendid double fringed flowers.

Mixed Colors.

Pkt. 10c; oz. 35c

**SALMON PINK.**—Lovely shade.

Pkt. 10c; oz. 35c

**TALL PEONY FLOWERED.**—Large, handsome, showy double globular flowers resembling a double Peony (annuals). We offer 2 beautiful colors, Shrimp Pink and Vermilion Red.

Pkt. 10c; ¼-oz. 20c

**SHIRLEY (Annual).**—Charming poppies. Flowers single and semi-double, and range in color from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood-red, while many are daintily edged and shaded. The petals are like silk. Free-blooming and fine for borders or beds; 1½ to 2 feet. Mixed.

Pkt. 10c; ¼-oz. 25c; oz. 75c

**ANNUAL SUPERB MIXTURE.**—A superior strain, containing the choicest of single and double varieties in all of the brightest colors.

Pkt. 5c; oz. 35c

**CALIFORNIA.**—See Escholtzia, page 58.

**PLANT COLLECTION FOR HANGING BASKETS.**—We will send a fine collection of two upright and six trailing plants for 75c postpaid.

## POPPY — Continued -

**ICELAND, OR NUDICAULE** (Perennial).—These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks, about 12 inches in height, bearing beautiful brilliant single flowers in endless profusion, and most useful for cutting. (For plants, see page 84.)

Yellow, White, Scarlet. Pkt. 10c;  $\frac{1}{8}$ -oz. 50c  
Single Mixed. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

Double Iceland Mixed. Very choice strain, double flowers. Pkt. 15c;  $\frac{1}{8}$ -oz. \$1.00

### GIANT ORIENTAL POPPIES

Among hardy perennials these hold an unrivaled position for gorgeous effectiveness. Height 2 to 3 feet, flowers immense, often 6 inches across. Excellent cut for decoration. Plant in the open ground in June or July to bloom the following season.

**Oriental Brilliant.**—Bright scarlet, black spots at base of each petal. Pkt. 10c;  $\frac{1}{8}$ -oz. 75c

**Oriental Princess Victoria.**—A beautiful salmon-pink; wonderful flower. Pkt. 25c

**Oriental Hybrids Mixed.**—All colors. Pkt. 15c;  $\frac{1}{8}$ -oz. \$1.00



Shirley—Poppy

**GIANT TRIMARDEAU.**—The most popular bedding strain for this locality and deservedly so, on account of the strong, sturdy plants and the enormous flowers of the greatest variety of colors. Pkt. 10c;  $\frac{1}{8}$ -oz. 50c

**CHOICE MIXED.**—A fine bedding strain. Pkt. 10c;  $\frac{1}{8}$ -oz. 35c

### New Giant Pansies, Separate Colors

Pkt. 20c; full collection of 10 pkts. for \$1.50  
Your choice of the following named varieties:

**ADONIS, NEW.**—Of huge size, light blue, baby blue and lavender shades.

**PRINCE HENRY.**—Giant, splendid dark blue.

**MADAME PERRETT.**—Distinct and beautiful type, edges filled; dark wine pink and red.

**GRAND DUKE MICHEL.**—A giant, pure white. The best in this color.

**MILLE IRENE.**—New. New color in pansies, Tango Red; a grand flower, long stem.

**MILLE ISABELLE.**—Novelty, ruffled bronze and yellow; a giant in size.

**VULCANO.**—Novelty. A rich velvety Burgundy red; immense flowers.

**PANAMA PACIFIC.**—A huge deep yellow, some pure yellow, others with dark eyes.

**MADAME STEELE.**—A giant, true royal purple. A very profuse bloomer.

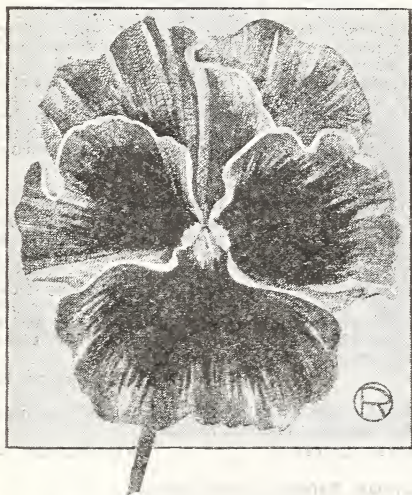
**BRONZE MASTODON.**—Giant, all shades from bronze to old gold; wonderful colors.

### RUDBECKIA

**BICOLOR SUPERBA.**—Fine free-flowering annual; 2 feet; long stems, bright yellow double flowers. Pkt. 10c

**FULGIDA** (perennial).—Producing in masses during August and September brilliant orange-yellow flowers; 3 feet. Pkt. 10c

**NEWMANI.**—Perennial; large, bright orange-yellow flowers, dark centers. Pkt. 15c



### GIANT PANSIES

Pansy Plants, Page 78

This popular flower thrives best on a cool, moist, but well-drained soil enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming. The florists' method, though, is to sow in July or August, and protect the plants during the winter, and they will flower continuously early the following spring and summer.

**ROUTLEDGE PRIZE MIXTURE.**—For variety of markings, beauty of form, size and splendid texture, this superb strain cannot be excelled. Pkt. 25c;  $\frac{1}{8}$ -oz. \$1.25

**STEELE'S MATSODON.**—This superb strain is famous among professional florists everywhere. Flowers rare and rich in colors and of giant size; Oregon grown. Mixed. Pkt. 20c;  $\frac{1}{8}$ -oz. \$1.00

**PLANTS.**—Large flowering, choice pansy plants, ready very early in the spring. Can be safely sent by mail. Blooming plants, 12 in a basket, by express. See page 78.

**RICINUS**

(Castor Oil Bean)

A magnificent and highly ornamental plant, with picturesque foliage and stately growth combined with brilliant colored fruit of the giant varieties. Grown as single specimens on lawns and on pleasure grounds, they form a striking feature; hardy annuals.

**ZANZIBARENSIS, Mixed.**—Very ornamental; dark bronzy green and red leaves; 8 to 10 feet high. Pkt. 10c; oz. 35c

**SANGUINEUS TRICOLOR.**—Blood red stems, deep green leaves, with red veins; 6 feet. Pkt. 10c; oz. 50c

**GIBSONI.**—New, dark red foliage; 5 feet. Pkt. 10c; oz. 50c

**FINEST MIXED.**—All kinds. Pkt. 10c; oz. 25c



Salpiglossis

**SALPIGLOSSIS**

Produces very showy, trumpet-shaped flowers of large size and rich, gorgeous colors; fine for beds and one of the prettiest cut flowers we have. Of easy culture and very popular; half-hardy annuals. 2 feet.

**EXHIBITION MIXTURE.**—Large flowering, of the very choicest colors. Pkt. 10c; 1/8-oz. 60c  
Strong plants in May. \$1.00 dozen, postpaid  
Special shades as follows: **PURPLE** and

**GOLD, SCARLET** and **Gold, VELVETY RED, WHITE, BROWN** and **GOLD, LIGHT BLUE.**  
Pkt. 15c; 1/8-oz. \$1.00.

**PLANTS MIXED COLORS IN MAY, \$1.00 DOZ., POSTPAID.**

**SCHIZANTHUS**

(Butterfly Flower)

Beautiful garden annuals; flowers charmingly fringed and delicately colored; 1 to 2 feet.

**GRANDIFLORA MIXED.** Pkt. 10c; 1/8-oz. 75c

**SNAPDRAGON**

See Antirrhinum. Page 51. Plants, 78-79.

**SAPONARIA**

**OCYMOIDES.**—Very showy perennial rock plant producing all summer masses of small bright rose flowers. 9 inches. Pkt. 15c

**VACCARIA.**—Annual, 2 feet, satiny pink. Fine in bouquets. Pkt. 10c

**SWEET WILLIAM**

Hardy biennial, well known and very popular. The handsome, showy heads of brilliant flowers from June to September are very effective. (Large plants see page 87.)

**Dark Crimson, White, Pink Beauty** or **Mammoth Single Mixed.** Pkt. 10c; 1/8-oz. 50c

**Double Mixed.**—All colors. Pkt. 10c; 1/8-oz. 40c

**SALVIA**

(Scarlet Sage)

The Scarlet Sage has long been a favorite bedding plant, bearing long spikes of brilliant scarlet flowers in great profusion from July till frost; seed should be sown as early as possible, either indoors or in a hotbed, and the young plants transferred to their flowering quarters when the weather has become settled and warm. (For plants see page 78.)

**SPLENDENS COMPACTA.**—A splendid, showy variety, with large spikes of bright rich scarlet flowers; 3 feet.

Pkt. 10c; 1/8-oz. 50c

**AMERICA—NEW.**—Of dwarf, bushy, compact growth, very uniform, early and continuous bloomer. Flowers brilliant, rich scarlet. 1 1/4 feet. Pkt. 15c; 1/8-oz. 75c

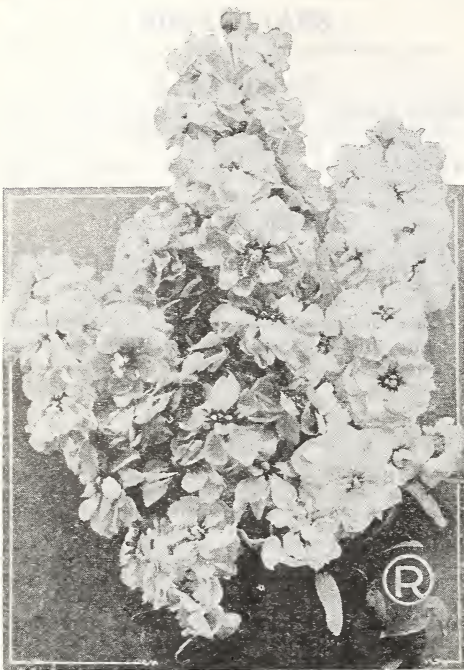
**BONFIRE.**—Of bushy, compact growth. Flowers dark, rich scarlet, on spikes which stand clear of the foliage and attract attention at once; 2 feet. Pkt. 15c; 1/8-oz. 60c

**ZURICH.**—A splendid new dwarf, of special merit; early. Brilliant scarlet and very free-flowering; 15 to 18 inches. A very popular variety. Pkt. 15c; 1/8-oz. 75c



Salvia

**HOW TO GROW FLOWERS FROM SEEDS.**—Our two-page leaflet gives full information and is free on request.



Bismark Stocks.

**SHAMROCK**

TRUE IRISH.

Pkt. 25c

**STATICE**

Splendid hardy perennials, either for the border or rockery, producing all summer cloud-like panicles of minute flowers, which can be dried and used for winter bouquets. 2 feet. The new and improved varieties are very desirable and pleasing.

LATIFLORA.—(Perennial.) Deep blue.

Pkt. 10c

SINUATA.—Annual Statice, in blue, rose or white.

Pkt. 10c

**TRITOMA**

(Red Hot Poker)

Striking and exceedingly ornamental autumn flowering plant. Showy flower spikes, shaded red and yellow; 3 feet. (See cut and plants, page 85.)

Pkt. 10c; 1/8-oz. 50c

**THALICTRUM**

Meadow Rice

These stately flowering plants should be more extensively planted on account of the beautiful, finely cut foliage and lovely flowers, one of the handsomest perennials in the entire list. Will do well in shady places.

DIPTEROCARPUM.—Buds resemble pearls opening into lovely lavender flowers with conspicuous yellow anthers.

Pkt. 25c; Plants 3 for \$1.00

GLAUSUM.—Fine cut glaucous foliage, bronzy-yellow flowers in June. (2 feet.)

Pkt. 15c

AQUILEGEFLORUM ALBUM.—Elegant foliage and masses of feathery white flowers in June and July. (3 feet.)

Pkt. 15c

**THUNBERGIA**

Extremely pretty yellow flowers with dark eye; rapid-growing annual trailers; used largely for vases, window boxes, etc.; will flower all summer till frost; 5 feet.

Finest Mixed.

Pkt. 10c; 1/4-oz. 75c

**STOCK**

(Gilliflower)

By far one of the most popular annuals for garden or greenhouse culture. They are superb for cutting and are of great value for bouquet work. Flowers are of delicious fragrance, large, mostly double, and borne on handsome spikes; all will flower the first year. They are very hardy and often remain in bloom in the yard all winter in the vicinity of Portland. Sow in February or March for early blooms and in June for fall or winter flowers, and transplant.

BISMARK TEN WEEKS.—New. A quick blooming giant flowered stock of special merit, growing about 30 inches tall, of branching habit and produces freely beautiful giant spikes of double flowers. Excellent for cutting or mass bedding. White, Blush, Rose, Yellow, Lavender, Dark Blue, Fiery Red and Choicest Mixed.

Pkt. 10c; 1/8-oz. 90c

GIANT PERFECTION.—Large double flowers; fine for cutting and garden. (2 feet.)

Finest Mixed. Pkt. 10c; 1/8-oz. 75c

BEAUTY OF NICE.—Popular with florists for cutting, flowers of large size, double, and freely produced; 2 feet.

Mixed.—All colors.

Pkt. 15c

Princess Alice.—Double white.

Pkt. 15c

Queen Alexandra.—Soft rosy lilac.

Pkt. 15c

Beauty of Nice.—Delicate flesh pink.

Pkt. 15c

**VALERIANA**

(Garden Heliotrope)

A fine old-fashioned hardy plant; flowers have a strong heliotrope odor; showy, red or white; fine for bouquets; 2 feet.

Mixed.

Pkt. 10c; 1/8-oz. 25c

**VIOLAS**

Tufted Pansies

These resemble pansies in shape and form. Flowers are smaller, clear and distinct, with longer stems and flower freely from early spring until snow flies. Seeded in April will flower in June.

Pkt. 15c

**VIOLET**

Viola Odorata is the well-known English Violet, a free-flowering, hardy perennial; easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places.

ODORATA.—Blue or White.

Pkt. 25c

**ZINNIA**

The most popular flower of the day, easily grown from seed planted outside early in the spring.

Improved Dwarf Zinnia

Elegans Pumila.—This improved, large flowered dwarf, double Zinnia makes very effective plants for bedding or borders; plants are compact and flower freely all summer; very desirable; 1 foot.

Bright Scarlet, Golden Yellow, Salmon Rose, White or Mixed.

Pkt. 10c; 1/4-oz. 25c

Elegans Tall Double Mixed

A choice strain of medium-sized, double flowers (3 1/2 feet).

Pkt. 10c; 1/4-oz. 25c

GLADIOLI BULES make a beautiful display when in bloom and are of the easiest culture and really not expensive, as they multiply rapidly. See pages 88-89-90.

## Routledge Prize Zinnias

The Zinnia is one of the most brilliant, showy and satisfactory annual flowers. It has long been a general favorite, but with the wonderful new and "late creations" produced by "Zinnia specialists" in the last few years it now is probably the most popular flower of the day.

For mass planting, cut flowers and decorations they are unsurpassed, producing a wonderful display from July until heavy frosts.

### NEW DAHLIA FLOWERED

This new, giant, double-flowered Zinnia (see cut) is a wonder in size, shape, new colors, perfection and profusion of flowers. Plants grow sturdy and vigorous, about 3 feet high. Flowers 4 to 6 inches across, full, very deep and of the most wonderful shade. All of the usual colors and many rare, such as salmon, old rose, pink, cerise, strawberry red and autumn tints. We offer a very select strain of seed containing all novelties. (See front cover.)

### DAHLIA-FLOWERED GOLD MEDAL MIXED

Pkt. 15c; 2 for 25c; 1/8 oz. 50c

### Named Dahlia Flowered Zinnias

#### Six New Novelties in Separate Colors

Your choice of the following: Large pkt. 25c; all 7 colors, \$1.25; 1/8 oz. any kind, \$1.00.

**EXQUISITE.**—A charming true dahlia-flowered type of light rose, shaded deep rose at center.

**CRIMSON MONARCH.**—Largest and best of the red shades, plants vigorous.

**BUTTERCUP.**—An immense deep canary yellow. A desirable color for every collection.

**METEOR.**—A rich, glowing, deep red, darkest of all red shades. Very large.

**DREAM.**—A fine deep lavender turning to mallow purple. A new and desirable shade.

**ORIOLE.**—A very popular color, orange and gold; a bicolor, changing slightly as it ages but very charming at all times.

**SCARLET FLAME.**—A large, beautiful bright scarlet, very showy.

### GIANT MAMMOTH "NOVELTIES"

These wonderful new novelties, a cross between the Dahlia and Double Giant, show smaller centers and more loosely placed petals, while the size of the flower is immense, larger than the Double Giants. The handsome flowers are decidedly imbricated and the flower, from bud to full bloom, presents a very graceful and pleasing appearance. (3 feet.)

**PRICES:** Your choice of the following—Pkt. 20c; collection of 5, 75c; 1/4 oz., any color, 75c.

**ORANGE KING.**—A striking shade, glowing orange.

**LEMON QUEEN.**—Of immense size and unique inasmuch as it carries a pleasant odor; light canary on upper side of petals, cerise on lower; the whole blending into a variety of lemon tints delightfully different.

**ORANGE QUEEN.**—Not as dark as Orange King; distinct from all other shades.

**PURITY.**—A pure white, without the objectionable "green" tint that has made white zinnias so unpopular in the past.



New Giant Dahlia-Flowered Zinnia

**ROSE QUEEN.**—Opens bright rose with deep rosy red center; gradually develops into a warm, deep rose in full bloom; a great favorite—size and form perfect.

### DOUBLE GIANT ZINNIAS

These are the improved giant flowering type and are in every way superior to the common kinds. Flowers are borne on long, stiff stems and are of a semi-globular form, very full and double. Excellent for cutting. Plants grow 2½ to 3 feet high and produce very freely handsome flowers, many measuring from 4 to 5 inches across and all of lovely rich and rare colors. Cultivation, "Wonder Fertilizer" and plenty of water will increase the number and size of the flowers.

**DOUBLE GIANT, SEPARATE COLORS.**—White, crimson, golden yellow, purple shades, salmon shades, light canary, shrimp pink, lavender, burnt orange, deep rose, blood red, your choice: Pkt. 10c; 6 for 50c; 1/4 oz. 50c.

**SUPERB DOUBLE GIANT SPECIAL MIXTURE.**—Our own mixture of the finest colors, including other shades than those above and new trial ground varieties, so as to produce a blend of wide range and rare and rich colors.

Pkt. 15c; 4 for 50c; 1/4 oz. 60c

**DOUBLE GIANT MIXED.**—A good mixture of fine colors.

Pkt. 10c; 1/4 oz. 50c

### PICOTEE DOUBLE MIXED

A new, distinct and remarkable class, of large and beautiful double flowers; very effective, showy and novel. The petals are all tipped with a distinct color, different than the body of the flower. Effective as bedders and excellent for cut flowers. Plants 3 feet high.

Pkt. 10c; 1/8 oz. 50c

**ZINNIA PLANTS.**—Well grown plants from our own select seed. ORDER EARLY and we'll send in PROPER SEASON. Prices, prepaid: 3 for 25c; doz, 75c; 100, \$4.50.

# SWEET PEAS "Highest Quality" TRUE VARIETIES

## 1926 PRIZE COLLECTION NEW GIANT SPENCERS

Inoculate Sweet Pea Seed with HUMO-GERM. See page 40.

### Rare, Rich and Wonderful

Collection Price, 10 New, Lovely Kinds  
(value \$1.50), SPECIAL, \$1.00, postpaid

**GIANT WHITE.**—It is gigantic in size, exquisite in form and pure in color. By far the best white Sweet Pea today. It is black-seeded, insuring perfect germination. A vigorous grower, very free-flowering and a prize-winner.

Pkt. 15c; ½ oz. 25c; oz. 40c

**GIANT ATTRACTION.**—A wonderful variety, a great producer of enormous, waved and frilled flowers that generally come four to the stem. The color is a charming shade of deep cream pink, having a deeper flush on the wings. Very rich and effective.

Pkt. 15c; ½ oz. 35c

**ROYAL SCOT.**—The flowers of Royal Scot are beautifully waved and of large size. The color is a deep scarlet cerise, the best in this color. The plant is strong-growing and produces freely four-flowered stems. The lover of cerise shades will be delighted with this wonderful new variety. Pkt. 15c; ½ oz. 35c

**GLADUS.**—New. A true, clear, lilac lavender of giant size and perfect form. There is nothing quite so rich in lavenders as this splendid variety.

Pkt. 15c; ½ oz. 35c; oz. 50c

**HAWLMARK PINK.**—This beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most beautiful shade of rich pink, deeply flushed and shaded with salmon.

Pkt. 15c; ½ oz. 35c; oz. 50c

**ROYAL SALUTE.**—A great advance in its color class; a flower of great size and finest form. The color is a rich, fiery cerise, a dazzling brilliant shade. Pkt. 15c; ½ oz. 40c

**TANGERINE, IMPROVED.**—(NEW.) This is the last word in orange-colored Sweet Peas. Deep orange, almost approaching the color of a tangerine orange. The flowers are of great size and beautifully waved; free bloomer.

Pkt. 15c; ½ oz. 35c

**SINCERITY.**—A unique, pleasing shade of bright glowing cerise. The large flowers are produced four on a stem. A strong grower and free bloomer which is sure to please the lover of cherry shades. Pkt. 15c; oz. 50c

**HERCULES.**—This is a magnificent deep rose-pink. The standard is of enormous size and frequently measures 2½ inches across. The whole flower is of excellent form, much waved and frilled.

Pkt. 15c; ½ oz. 25c; oz. 40c

## EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

This new class of Sweet Peas is the best for the florist to force under glass or for extra early flowers outside. They grow and flower earlier than the Giant Late Spencer. Excellent for sections where the season is late and short or very hot and dry. Plant early.

PRICES.—YOUR CHOICE, 15c PKT.; FULL COLLECTION 8 PKTS., 75c—1-OZ. ANY KIND, 60c.

Early Liberty.—Large, bright crimson.

Early Lavender King.—Beautiful lavender.

Early Morning Star.—Orange-scarlet; extra.

Early Peace.—Rose-pink on cream.

Early Snowflake.—Grand, pure white.

Early Torch.—A lovely orange shade.

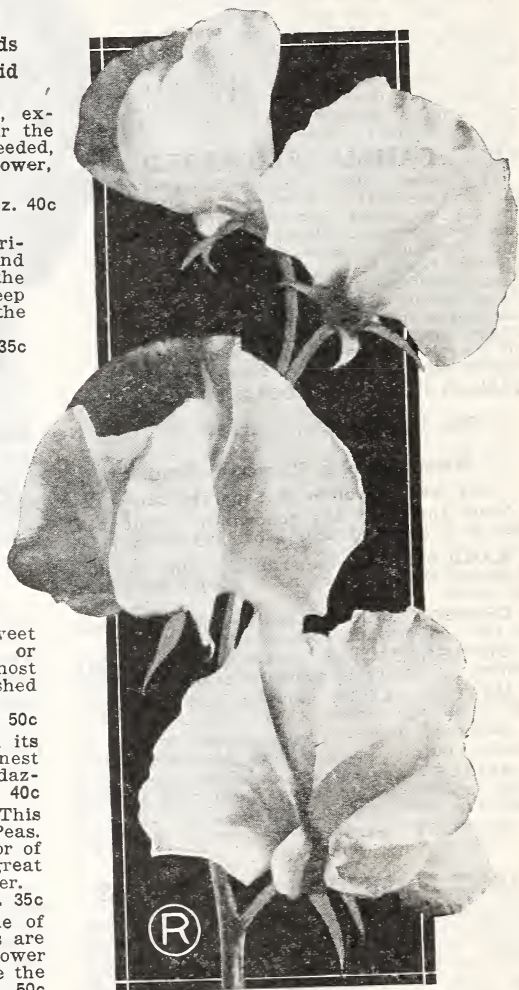
Early Spring Maid.—Light pink.

Early Aviator.—Dazzling crimson-scarlet.

EARLY SUNRISE MIXTURE.—A very select mixture of early varieties.

Pkt. 10c; oz. 40c

QUALITY and TRUENESS is what makes the price in Sweet Peas. Low prices never bought "HIGHEST QUALITY" Seeds. Read about "Snarol"—page 122.



## Sweet Pea Special

Superb 1926 Collection

of 7 Giant Spencers

75c Collection for 50c

We have put up, in one large, beautifully lithographed envelope, seven distinct and new Giant "Spencers"; each kind in a separate packet and properly marked. The seed in each packet will plant a row 3 to 4 feet or a total of 20 to 30 feet. With good care and cultivation these will produce thousands of blooms which you can pick in separate shades; an ideal way for special effect.

This collection contains our leaflet "How to Grow Prize Sweet Peas," and one full-sized packet of the following distinct and popular colors: **CONSTANCE HINTON.**—Giant white.

**MARGARET ATLEE.**—Rich cream pink.

**HALMARK SALMON PINK.**—Lovely. **HALMARK LAVENDER.**—Best pale lavender.

**BARBARA.**—Beautiful shade of orange.

**KING EDWARD SPENCER.**—Wonderful scarlet.

**ROYAL PURPLE.**—Beautiful, very popular.

**Note.**—For full description see classification under "separate colors," page 72.

Add 15c Extra or 65c in all and we will include a 25c packet (1 oz.) of R. R. Superb Spencer Mixture. (Described below.)

Use "HUMOGERN" (page 40) for Sweet Peas and "SNAROL" (page 122) for Slugs.

## R. R.'s Superb Mixture of Giant Spencer Sweet Peas

This is our own special mixture and is composed only of the best giant orchid-flowering wavy Spencer varieties. For healthy, robust growth, wealth of blooms, size of flowers and exquisite and rare colorings, this mixture is unequalled.  $\frac{1}{2}$ -oz. pkts. 15c; oz. pkts. 25c each; 3 for 60c; 6 for \$1.00.

### Rose City Mixture of Grandiflora Sweet Peas

Of course the flowers of the Grandiflora type are not as large as the "Spencers," but the range of color is complete and they are hardy and very free flowering.

Large pkt. 10c; oz. 20c;  $\frac{1}{4}$ -lb. 50c; lb. \$1.50

## Cupid Sweet Peas

Compact dwarf plants, seldom growing over 4 to 6 inches high. Flowers of good size and at the top of short, stiff stems. Try something new and showy for edgings or a border to other flowers. They are unique and pretty. Of trailing nature. Don't crowd, give each plant 6 inches space. (See cut.)

**NEW NAMED "SPENCER" CUPIDS.**—Novelties of a new race. Large flowers.

**LITTLE NELL.**—A charming new early Cupid. Produces four large waved blooms on short stems; color, pink wings, white standard. Very early. Pkt. 15c; oz. 50c

**ROSEBUD.**—Vines not over 4 inches high, compact habit. Color, lovely creamy apricot-pink. Pkt. 15c; oz. 50c



**MIDSHIPMITE.**—Compact and spreading, often 18 inches. Flowers white, suffused and edged violet-blue, four to a stem.

Pkt. 15c; oz. 50c

**CUPID MIXED.**—Pkt. 10c; oz. 25c;  $\frac{1}{4}$ -lb. 75c

THE "BEST" OF OVER 100 KINDS—CLASSIFY UNDER COLORS FOR YOUR CONVENIENCE

**UP-TO-DATE SPENCER SWEET PEAS OF REAL MERIT — Continued**

We make a specialty of Sweet Peas and we classify under colors for your convenience

**WHITE**

**CONSTANCE HINTON.**—A very hardy and one of the largest White Spencers to date. Black seed, strong vitality. Pkt. 10c; oz. 40c

**GIANT WHITE.**—See Collection, page 70.

**KING WHITE.**—A pure white, of giant size and splendid substance; long, strong stems. Pkt. 10c; oz. 50c

Use "SNAROL" for Slugs and Snails.  
Guaranteed. See Page 122.

**PRIMROSE—YELLOW**

**BUTTERCUP.**—New. Undoubtedly the deepest, most richly colored of all the cream varieties. Pkt. 10c; oz. 40c

**DOBBIE'S CREAM.**—A lovely primrose; nicely waved, abundance of bloom; strong and vigorous. Pkt. 10c; oz. 40c

**PINK ON CREAM**

**MRS. A. HITCHCOCK.**—A most charming shade of soft pink. Pkt. 10c; oz. 40c

**PICTURE.**—Beautiful wavy flowers of most pleasing blend of cream and pink. Large blooms, long stems. Pkt. 10c; oz. 50c

**MARGARET ATLEE.**—Beautiful large flowers of a rich cream-pink; very double and frilled, extra fine. Pkt. 10c; oz. 40c

**LIGHT PINK**

**ELFRIDA PEARSON.**—A lovely combination of apricot and pink. Beautiful, large, wavy flowers. Pkt. 10c; oz. 40c

**GIANT ATTRACTION.**—See page 70.

**VALENTINE.**—Large flowers on long stems, fine form. Delightful light pink. Pkt. 10c; oz. 50c

**DEEP PINK**

**COUNTLESS SPENCER.**—Flowers extremely large, beautifully expanded, crumpled and waved. Color, soft shell pink, deeper at the outer edges. Pkt. 10c; oz. 40c

**HERCULES.**—See page 70.

**HAWLMARK SALMON PINK.**—Flowers of the largest size and finest form; a beautiful shade of salmon pink. Pkt. 15c; oz. 50c

**HAWLMARK PINK.**—See page 70.

**LAVENDER**

**AUSTIN FREDERICK.**—The best giant flowered rosy lavender; a free bloomer. Pkt. 10c; oz. 40c

**HAWLMARK LAVENDER.**—A beautiful pale lavender. A grand flower. Pkt. 10c; oz. 50c

**LAVENDER GEO. HERBERT.**—A bluish lavender, grand for exhibition and garden. Pkt. 10c; oz. 40c

**ORANGE AND SALMON**

**NOTE.**—To get the most delicate shade in this color, flowers should be lightly shaded.

**BARBARA.**—A fine salmon, of large size. Pkt. 10c; oz. 40c

**ROYAL SCOTT.**—See collection, page 70.

**ROBERT SYNDENHAM.**—A magnificent glowing orange self. Beautiful, large flowers. Pkt. 10c; oz. 40c

**TANGERINE IMPROVED.**—See page 70.

**BLUE—PURPLE**

**COMMANDER GOODSELL.**—New. A very desirable dark rich shade. Dark blue. Pkt. 10c; oz. 40c

**ROYAL PURPLE.**—A true, rich, royal purple that holds its color. Flowers of giant size and elegant form. Pkt. 10c; oz. 40c

**MRS. TOM JONES.**—See page 70.

**WEDGEWOOD.**—Flowers true light blue in color and of fine, large, full, wavy form, some duplex. Pkt. 10c; oz. 40c

**SCARLET—CRIMSON**

**CHARITY.**—A new and leading variety. A brilliant rich crimson of finest form. Pkt. 10c; oz. 50c

**CRIMSON KING.**—New. A remarkable new crimson of great richness and substance. Wonderful flowers, freely produced on long stems. Pkt. 15c; oz. 60c

**DEFIANCE.**—New. Dazzling orange scarlet, latest and best by test. Sunproof. Pkt. 25c; oz. \$1.00

**THE CARDINAL.**—Intense poppy scarlet, a rare and rich shade. Flowers large and of beautiful form; vigorous and a free bloomer. A new scarlet of merit. Pkt. 10c; oz. 50c

**SINCERITY.**—See collection, page 70.

**KING EDWARD SPENCER.**—Of vigorous growth, profuse bloomer, giant flowers; most popular scarlet red, long stems. Pkt. 10c; oz. 40c

**DARK RED—MAROON**

**DOBBIE'S MAROON.**—A giant-flowered maroon or deep wine red. Pkt. 10c; oz. 50c

**WARRIOR.**—Flowers large and freely produced. Dark maroon. Pkt. 10c; oz. 40c

**PICOTEE AND STRIPED**

**SENATOR SPENCER.**—Beautiful large flowers, claret and chocolate on light ground; distinct and greatly admired; a profuse bloomer. Pkt. 10c; oz. 40c

**MARTHA WASHINGTON.**—A most beautiful variety; blush-white with a very distinct picotee-edge of rose-pink. Pkt. 10c; oz. 40c

Junction City, Oregon, Mar. 2, 1925.  
Routledge Seed & Floral Co.

Gentlemen: I have planted Sweet Peas from your house for the past three years and have had wonderful success with same.

Respectfully,

MRS. CHAS. R. NELSON.

Ashland, Oregon, Jan. 25, 1925.

Routledge Seed & Floral Co.

Gentlemen: The Sweet Peas and Pansies I got of you last year were wonderful

J. F. HENDRICKS.

**PRIZE SWEET PEAS.**—If you want to grow giant flowers on long stems, you must give your sweet peas good soil, plenty of water at the roots in dry weather, some "Marvel" (see page 38) Fertilizer, and pick the flowers often. Our "leaflet" tells all—free with each order. **AT LAST—A REAL SLUG KILLER**—"Snarol". Page 122.

## BEAUTIFUL ORNAMENTAL FERNS, PALMS, ETC.

**READ THIS—Specimen Plants.**—These are large, choice, well shaped plants, growing in pots, very beautiful. They cannot be mailed. Sent by express at your expense.

**OSTRICH PLUME** (See cut)—The fronds of this popular variety are the most delicate and plume-like. They are beautiful, full and fluffy, well-grown plants; are truly magnificent and last well in the house.

Choice plants, 25c to 50c, postpaid  
Specimen plants in pots, \$1.25 to \$3.00

**BOSTON FERN**—One of the most beautiful; of easy culture, sword-like fronds; produced in a bewildering mass, arching, curving and interlacing in every conceivable direction.

Choice plants, 25c to 50c, postpaid  
Specimen plants in pots, \$1.00 to \$2.50

**ASPARAGUS SPRENGERI** (Emerald Feather)—Of drooping or trailing nature, valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage; quite hardy.

Choice plants, 20c to 35c, postpaid  
Specimen plants in pots, 75c to \$1.00

**ASPARAGUS PLUMOSUS** (Climbing Lace Fern)—Very popular, hardy and easily grown. Very satisfactory for window and house culture. Extremely graceful; bright green, feathery foliage, as fine as the finest silk or lace.

Choice plants, 20c to 35c, postpaid  
Specimen plants in pots, 50c to \$1.25

### KENTIA PALM

A beautiful, graceful, handsome looking, strong growing palm. One of the most popular for home culture. If we could have but one palm, it would be a Kentia. Not mailable. Choice plants in pots, 18 in. to 24 in., \$2.50-\$3.00. Specimen plants, \$5.00 to \$15.00.

### VERBENA

One of the finest bedding plants and also suitable for borders, baskets and window boxes; its heads of brilliant-colored flowers produce one mass of bloom throughout the summer.

**NEW GIANT.**—The most beautiful and remarkable variety yet introduced.

Hybrid Giant Mixed. Pkt. 15c; ¼-oz. 40c

**LUCIFER.**—A new mammoth variety of dwarf spreading nature, flowers of the bright, vivid, cardinal scarlet, throughout.

Pkt. 15c; ½ oz. 60c

**MAMMOTH.**—A carefully selected and improved strain. The trusses and individual flowers are of the largest size, of brilliant colors; free-blooming and of vigorous habit. Mammoth White, Scarlet, Rose-Pink, Purple shades or Mixed. Pkt. 10c; ¼-oz. 50c

**FINE MIXED.**—A choice mixture of large-flowering sorts. Large pkt. 10c; ¼ oz. 40c

**LEMON VERBENA** (Alysia Citriodora).—A greenhouse shrub, valuable for the fragrance of the foliage; 2 feet. Pkt. 15c



Specimen plant, Ostrich Plume Fern, in a fancy jardiniere

### RUBBER PLANT

Very popular and easily grown. Its glossy, thick, dark-green leaves are not affected by dust or gas. Choice plants in pots (not mailable), 15 to 18 in., \$1.50; 2 foot up, \$2.00 to \$5.00 and up.

### REX BEGONIAS

One of the most ornamental of window plants. Very popular and easily grown.

Prices: 35c each; 3 sorts, 75c, postpaid; large plants in pots (not mailable), 75c to \$1.00.

La Grande, Ore.,

Routledge Seed & Floral Co.

Gentlemen: Am just putting a small order of Flower Seed. Will send our Vegetable order later. I cannot express how delighted we were with our seeds. Our Potatoes were beautiful. The Sweet Peas were marvelous, the largest we saw anywhere around here, in fact, every thing came up beyond our expectations.

Very truly yours,

MRS. E. I. SHEPHERD.

### WALLFLOWER

Very highly prized, old-fashioned plants, beautiful, fragrant, early spring flowers; half-hardy perennial varieties; 1½ feet.

Single Yellow, Dark Red or Finest Mixed.

Pkt. 10c; ¼-oz. 25c

Double, Finest Mixed.—Fragrant; 3 feet.

Pkt. 15c; ½-oz. \$1.00

### WILD CUCUMBER

(See Echinocystis, page 58.)

## Wild Flower Garden — Mixture

This is a mixture of easy growing, hardy annual and perennial flower seeds, embracing a wide range of different kinds and colors. Very desirable for sowing broadcast along walks, shrubbery, pathways, roadways or in the garden. With little or no care they will produce a bright effect and furnish an abundance of flowers for cutting. If you wish to get the largest returns plant in a prepared bed and when the plants are a few inches high, transplant here and there or wherever wanted. You will derive a great amount of pleasure from watching the development of the flowers from the unknown plants.

Prices—Well filled pkts. 10c; oz. 35c



## FLOWERING PLANT COLLECTIONS

On this and the two following pages we offer plant collections grown especially for our out-of-town customers. All orders for these plants are sent direct to the green house where they are gathered, packed and wrapped with special care so they will travel in safety by parcel post. Every plant is carefully labeled. Order any time; we'll send "in season."

### 1926 Collection — Twelve Grand Single Geraniums

Price 20c each; set of 12 varieties, \$2.00 postpaid



**Alblon.**—Beautiful free flowering white variety, as pure in color as driven snow. Always in bloom.

**C. W. Ward.**—Rich salmon, shaded to orange. Large trusses on strong stalks. Magnificent zoned foliage.

**Eugene Sue.**—A rare color; russet orange, yellow and salmon-red.

**Emanuel Arene.**—Rich, dark, velvety crimson maculated orange-red on upper petals. Very large trusses, splendid bedder.

**Jacquerie.**—Rich, vivid crimson; immense trusses. Excellent for bedding. Blooms freely; stands the sun well.

**Madame Mosnay.**—Peculiar shade of carmine lake shaded to violet and white.

**Meteor.**—A continual bloomer of a brilliant crimson red flower; dwarf, compact habit of growth; very highly recommended.

**Mildred Rival.**—Pure rose-pink, with conspicuous white blotch on two upper petals; flower beautifully formed, and the largest of its color.

**Mrs. A. Blanc.**—Silvery salmon shaded peach and apricot. One of the richest colored sorts.

**Mrs. E. G. Hill.**—Very large trusses; color clear salmon, with a white center; one of the finest varieties.

**Rosamine.**—Old rose, pink, flued violet and maculated with white. Very distinct and free blooming.

**Tiffin.**—Brilliant light scarlet flowers in fine large trusses, produced freely all season.

### Beauty Collection Twelve Grand Double Geraniums

Price 20c each; set of 12 varieties, \$2.00 postpaid

**Abbie Schaeffer.**—Rich deep crimson maroon in fine large trusses, freely produced.

**Alphonse Ricard.**—Rich, velvety scarlet, extra large and brilliant.

**Beaute Poitevine.**—Very large semi-double flowers of a brilliant salmon color. A splendid bedding variety.

**Fleur des Gardine.**—Bright orange-scarlet flowers in large numbers. Fine grower and free blooming.

**Jean Viaud.**—Soft rose color shaded to white. Immense flowers in large trusses. Magnificent variety.

**Madame Landry.**—Rich, bright apricot, shaded with orange; very large trusses. One of the best.

**Madame Recamier.**—Ivory white flowers in very large trusses. Strong, healthy grower.

**Mrs. Lawrence.**—Lovely satiny pink, shaded to white; its delicate color is delightful. A grand bedding variety.

**Mrs. Vincent.**—Delicate rose-pink of beautiful shade. Strong growing and free blooming.

**S. A. Nutt.**—The best of the rich, dark crimson varieties; very popular.

**Scarlet Bedder.**—Rich, bright scarlet; fine large trusses, borne in great freedom.

**Thos. Meehan.**—Rich, purplish rose color, upper petals marked with orange. A rare new color among geraniums.

### Lady Washington Collection English Show Pelargoniums

These are commonly known as Lady Washington Geraniums. Like geraniums, they flower during the summer months and are very ornamental either as house or bedding plants.

Price 25c each; set of 7 sorts, \$1.50 postpaid

**Agathea.**—White flushed with apple blossom. Upper petals heavily blotched with maroon. Splendid growing habit.

**Duchess of Portland.**—Lower petals vinous cerise, shaded with vermilion. Upper petals cerise, veined crimson, with two large maroon blotches.

**Easter Greeting.**—A new, free-blooming variety of the greatest merit. Flowers amaranth red, with a well-outlined maroon blotch on each petal. Blooms very large and in good-sized trusses.

**Lavender Queen.**—A choice, clear lavender-pink, with a maroon blotch on two petals.

**Linda.**—Bold flowers of clear salmon-pink, feathered maroon on upper petals. One of our finest sorts.

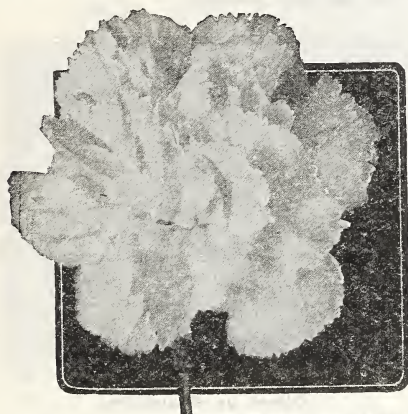
**Purple Prince.**—Rich purple flowers blotched and feathered with maroon. Strong growing and very free and continuous bloomer.

**Sensation.**—Pure white with prominent crimson blotches at the base of each of the fine petals. A true everbloomer with admirable growing habit.

USE "MARVEL"—The best Fertilizer and plant food known. A teaspoonful to a plant does wonders. Descriptive pamphlets on request. See page 38.

## · CARNATION PLANTS

For beauty, fragrance and abundance of flowers, for its hardiness, easy culture and adaptability to outdoor or indoor cultivation, no plant excels the ever-blooming Carnation.



### Wonder Collection Carnations

Price 20c each; 10 for \$1.75, postpaid

We have selected the varieties in this collection with much pride to ourselves, believing that we are giving to our patrons a set of Carnations which for general planting cannot be excelled. All have flowers of large size, strong and healthy growth and very free-blooming qualities.

- Alice.—Delicate flesh pink; very sweet.
- Aviator.—Rich, bright scarlet.
- Belle Washburn.—Deep brilliant scarlet.
- Bonora.—White, flaked with scarlet.
- Enchantress.—A superb flesh pink.
- Matchless.—Pure white flushed pearl.
- Mrs. C. W. Ward.—Bright, glistening pink.
- Pocahontas.—Crimson maroon.
- White Enchantress.—A beautiful white.
- White Wonder.—Glistening pure white.

## 1926 COLLECTION GIANT JAPANESE CHRYSANTHEMUMS

Price 20c each; sets of 12 sorts, \$2.00 postpaid

**Betsy Ross.**—Globe-shaped blooms of grand size and texture. Pure glistening white without the least shading.

**Bronze Queen.**—Rich golden bronze. Fine incurved blooms freely produced. Splendid garden variety.

**Chrysolora.**—In our field trials during the past season this variety stood out pre-eminently as the finest yellow in the collection. Large, incurved flowers of elegant form.

**Chieftain.**—A beautiful broad-petaled, incurving variety, round and ruffled. One of the prettiest forms.

**Citronelle.**—Beautifully incurved flowers of fine size. Rich lemon yellow, sometimes flushed with bronze.

**Early Frost.**—Pure snowy white flowers of incurved form with outer petals reflexed. One of the best white varieties.

**Golden Glory.**—Large incurved flowers of a rich golden yellow color. One of the finest of its color.

**Oconto.**—Rank in growth, free in bloom, flowering in early October, this fine pure white variety is most popular.

**Unaka.**—Large incurved flowers of a beautiful silvery rose color. One of the most beautiful pink sorts.

**Mignon.**—Rosy pink, shaded silvery. Strong, vigorous grower and very free.

**Queen of Whites.**—Showy white flowers cover the plant early in the fall. A gem in the garden.

**Source de Or.**—Tawny red flushed with bronze and chamois. Narrow tubular petals almost like a cactus dahlia.

**Wolverine.**—Golden yellow flowers. Dwarf and sturdy growing. Makes a nice pot plant for the window.

**Vernus.**—Bright rose-pink, shaded silvery white at center. Finely incurved petals of waxy texture. Early, free and strong growing.

**White Chieftain.**—Compact incurved flowers of elegant form and nice size; pure white tinged with pearl. A popular cut flower sort with florists.

**W. H. Waite.**—Deep bronze, shaded with gold. Of finest incurved form and splendid size. Grown extensively for cutting.

## GLORY COLLECTION NEW ENGLISH GARDEN CHRYSANTHEMUMS

To those persons who have planted the late flowering sorts and failed to get them into bloom before frost, these new imported sorts will appeal. All will flower readily in the garden during September and October. Flowers smaller than above, but prettier for bouquets.

Price 20c each; full collection of 10 sorts, \$1.50 postpaid

**Camille Bernadine.**—Large, fluffy flowers of violet and carmine color, shaded with white.

**Chaldron.**—Ruby red, flushed with chamois and gold. Early and free.

**Champagne.**—Rich red, tipped with gold. Dwarf growing and very free.

**Cranford White.**—Snowy white flowers of beautiful form. Nice dwarf grower and free blooming.

**Glory of Seven Oaks.**—Deep golden yellow, very free flowering. Excellent dwarf habit.

**Groacher's Crimson.**—Large, handsome flowers of a rich shade of crimson. Blooms very early.

**Henry Vincent.**—Rose-pink flushed with silver. Very free.

**Le Pactole.**—Rich, bright yellow. Blooms in great profusion. One of the best of its class.

## BEAUTIFUL FLOWERING BEGONIAS

Probably the most satisfactory class of plants for house culture obtainable. Of easiest possible culture. The waxy flowers produced in much profusion, together with their handsome foliage, make them most desirable subjects for the window garden.

Price 20c each; full collection of 6 for \$1.00, postpaid

**Bertha Chaterocher.**—Covered all the year with bright scarlet flowers; handsome green foliage. A fine house plant.

**Alba Picta.**—Pretty ovate shining green foliage; myriads of pure white flowers; bushy growth. Fine pot plant.

**Foliosa.**—The freest-flowering Begonia we have; makes a handsome window plant; bright flowers, glossy green foliage.

**Gloire de Chatelaine.**—Glossy green ovate leaves, flowers pink, heavily bordered with rose pink. A grand new variety from France.

**Marguerite.**—Foliage bronzy green, with purple cast on under side. Large, pure white flowers in good size panicles.

**Sindersoni.**—Coral pink flowers in large clusters with deep sea-green foliage of waxy texture. Splendid window plant.

REX BEGONIAS.—See page 73.



Gloire de Chatelaine

## BEAUTY COLLECTION CHOICE FUCHSIAS

This graceful class of plants make especially fine subjects for house culture as well as for planting in the garden. They are almost continuous bloomers and are very easily raised. The single varieties are the most floriferous, while the double sorts bear the larger flowers.

Price 20c each; collection of 6 sorts, \$1.00



Fuchsia

**Annie Earle.**—Tube and sepals waxy white, corolla single, clear carmine; plant splendid and free blooming.

**Purple Gem.**—Rich, dark blue corolla, with crimson sepals. A beautiful double variety, seldom out of bloom.

**Phenomenal.**—Flowers very large, corolla plum color, tube and sepals crimson; one of the finest double varieties.

**Little Beauty.**—A dwarf growing double variety, producing with great freedom small flowers of great beauty. Purple corolla with scarlet sepals. A little gem.

**Mrs. E. G. Hill.**—Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white.

**Speciosa.**—A winter-blooming variety of large size; tube and sepals blush, corolla bright crimson.

## DOUBLE AND SINGLE PETUNIAS

Petunias are undoubtedly one of the most popular summer flowers of the time. Especially are the new single sorts prime favorites because of their easy growth and free blooming habits.

**DOUBLE FRINGED.**—Double Petunias make excellent bedding plants with their pretty double fringed flowers which are produced freely all summer long. We offer a set of six choice varieties. Price, 20c each; 6 sorts for \$1.00.

**Dotty.**—Variegated white and mauve-pink.

**Gertrude.**—White tinged pink. Very large.

**Magnifica.**—Rosy purple edged white. Grand.

**Snowball.**—Finely fringed pure white sort.

**Venosa.**—White tinged blue veined purple.

**Undine.**—Reddish purple. Very large.

**SINGLE VARIETIES 20c EACH; \$2.00 DOZEN**

**Pride of Portland.**—A beautiful single variety for bedding and window boxes. Large fringed blooms of a soft bright pink shaded to yellow in the center.

**Elks Pride.**—Rich dark purple single flowers in great profusion all summer.

**Giants of California.**—Very large single flowers in a great variety of colors and markings. Beautifully fringed and ruffled petals. All colors mixed.

## TENDER TRAILING AND CLIMBING PLANTS

Cinnamon Vine.—See page 101.

**Lantana Delicatissima.**—The Weeping Lantana. Lilac pink flowers all season. Fine basket plant. Each 20c

**Maderia Vine.**—A fine, rapid growing vine producing an abundance of dense green foliage; succeeds in any location; good for rockeries, trellises and verandas. Each 20c, 2 for 35c

**Vinca Variegata.**—This is a beautiful variegated trailing vine, admirably adapted for hanging baskets, vases and window boxes. For Hardy Climbing Vines and Trailers, see page 101.

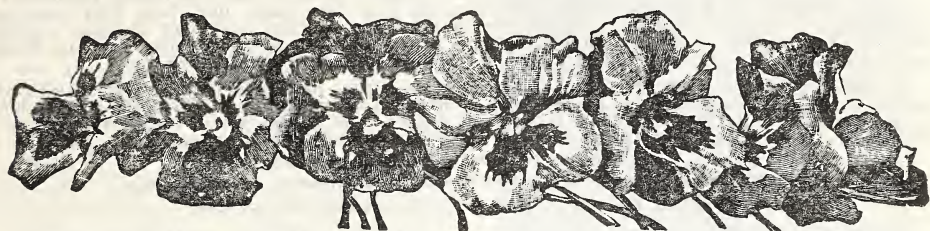
Leaves are a glossy green, broadly margined a creamy-white. Each 20c; 3 for 50c

**Mesembryanthemum Spectabilis.**—Quilled shaped, succulent leaves with large single thistle-like cerise pink flowers; fine for baskets, vases or porch boxes as well as a good bedding plant; flowers continuously. Each 20c; 3 for 50c

**Smilax.**—Well known climber for house culture. Each 20c; 3 for 50c

**Tradescantia (Wandering Jew).**—Good vase and basket vine. Two sorts, green leaved and pink variegated. Each 20c; 3 for 50c

# PRICE LIST OF ANNUAL BEDDING PLANTS



During April, May and June we have thousands of flowering and ornamental annual plants. Write for 100 prices, naming kind and size wanted.

**BY MAIL.**—If you add 3c each or 30c per dozen we will pack and mail the following plants excepting those from pots (3 inches or over), which cannot be mailed safely and must go by express, you to pay transportation charges. **NO PLANTS SENT C. O. D.**

For description see Flower Seed Department of this catalog

<b>Agerantum—</b>		<b>Doz.</b>	<b>Lobelia—</b>	<b>Each.</b>	<b>Doz.</b>
Blue or mixed.....	3 for .25	.60	Compacta or Trailing.....	3 for .20	.50
<b>Alyssum—</b>			<b>Marigolds—</b>		
Sweet .....	3 for .20	.50	African—Double mixed.		
<b>Anthriscum (Snapdragon)</b>			French—Double, Tall or Dwarf.		
Mixed .....	3 for .30	1.00	mixed .....	3 for .20	.50
Named kinds (see page 78)			<b>Pansy—</b>	<b>Doz.</b>	
<b>Aster—</b>			Choice plants, blooming age,		
Giant Crego, white, pink, purple or mixed .....	3 for .20	.50	postpaid .....	.60 to .75	
<b>Candytuft—</b>			Routledge Giants in bud and bloom .....	1.00 to 1.50	
Mixed or white .....	3 for .20	.50	<b>Petunias—</b>	<b>Each.</b>	<b>Doz.</b>
<b>Carnation—</b>			Single Ruffled Giants in mixed colors only .....	.15	1.00
Named varieties (see page 75)			Single, pink or purple.....	.20	2.00
<b>Chrysanthemum—</b>			From 3-inch pots.....	.25	2.50
Named varieties (see page 75)			Named varieties, page 76.		
<b>Cosmos—</b>	<b>Each.</b>	<b>Doz.</b>	<b>Phlox—</b>		
Single—Red, pink, white or mixed .....	.10	.75	Annals mixed .....	.10	.60
Double Crested—New—Mixed...	.15	1.00	Hardy perennial, page 86.		
<b>Cobea Scandens—</b>			<b>Salvia (Scarlet Sage).—</b>		
From 2-inch pots.....	.20	2.00	Splendens, tall .....	.10	.75
From 3-inch pots .....	.25	2.50	Zurich, new dwarf .....	.10	1.00
<b>Coleus—</b>			3-inch pots .....	.20	2.00
Choice colors, 2-inch pots.....	.20	2.00	<b>Salpiglossis—</b>		
Choice colors, 3-inch pots.....	.25	2.50	Grandiflora, mixed colors .....	.10	1.00
<b>Dracena Palm—</b>			<b>Stocks—</b>		
Small 50c; large, 18 inches and up, 75c to \$1.50.			Fine mixed colors.....	3 for .20	.75
<b>Fuchias—</b> See page 76.			<b>Verbena—Mammoth—</b>		
<b>Geraniums—</b> (See collections, p. 74)	<b>Each.</b>	<b>Doz.</b>	Any color or mixed.....	3 for .20c	.75
for named kinds. Single or double varieties in scarlet, salmon pink, light pink or white.			From 2-inch pots .....	.15	1.50
From 3-inch pots.....	.20	2.00	<b>Vinca—</b>		
From 4-inch pots.....	.25	2.50	Variegated, from small pots....	.20	2.00
From 4-inch extra select plants in full bloom.....	.30	3.00	Variegated, from large pots....	.25	2.50
<b>Pelegonium (Lady Washington)</b>			<b>Zinnias—Glant Double—</b>		
(See collections, page 74.)			Tall or Dwarf Mixed.....	3 for .25	.75
<b>German Ivy—</b> (For baskets and boxes.)			Separate colors .....	3 for .25	1.00
2-inch pots.....	.15	1.50	New Dahlia Flowered—Mixed..	.10	1.00
<b>Heliotrope—</b>			<b>PLANT TUBS OR JAPANESE KEGS</b>		
Blue .....	.10	1.00	Filled with large flowering plants and vines for porch or garden display 3.00 to 5.00		
From 3-inch pots.....	.20	2.00	Empty Jap. Kegs.....	Each	\$1.50
From 4-inch pots.....	.25	2.50			

REMEMBER, we are not offering you little seedling plants, pulled from the seed beds. Our plants are strong, healthy, transplanted plants from flats or pots, raised from our HIGHEST QUALITY SEED or propagating plants of SUPERIOR MERIT.

## HARDY PERENNIAL FLOWERING PLANTS

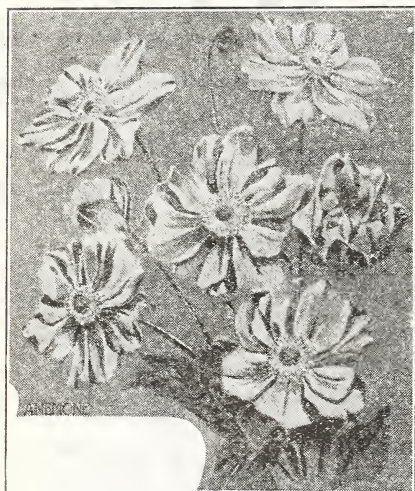
No class of plants enjoy greater popularity at the present time than the Hardy Perennials. They have made rapid strides into public favor the past few years, until now they may be considered to have a prominent and a permanent place in our American gardens. Once planted, they require very little care, increasing in size of plant and profusion of bloom from year to year. Most varieties can be taken up, divided and reset every third year.

**LARGE STOCKS—LOW PRICES**—We are in a position to supply unlimited quantities at special prices and you will find our plants are strong and well rooted. Our prices must not be compared to many lists, for our plants are all hardy, field grown, worth double the average stock sold. Limited space will not permit us to list all varieties we can supply.

Ask for any special varieties wanted

**PRICES.**—All prices postpaid—10 times the each price is dozen price

Express, freight and call orders 5c each or 50c doz. less



Anemone

### Anemone

**JAPANESE**—These beautiful Windflowers are one of the most important hardy plants. They begin blooming early in August and continue in full beauty until cut down by hard frost. Excellent for bouquets, lasting for days when cut; 2½ to 3 feet.

Each 30c; collection of 3 kinds 75c

**Whirlwind.**—Best large pure white, semi-double.

**Queen Charlotte.**—Lovely flowers, beautiful pink.

**Rubra Superba.**—Lovely rosy-red; large, free flowering.

### Alyssum

**Gold Dust (Saxatile Compactum)**—Large heads of golden yellow flowers in May and June; silvery foliage; fine for rockeries; 10 to 12 inches.

Each 25c; 3 for 60c

### Aquilegia

The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising two feet or more above the beautifully divided foliage, and are highly prized for cutting; June to September.

Mixed—Very choice. Each 30c; 3 for 75c

### Artemisia Lactiflora

Elegantly cut, dark green foliage, terminated by panicles of Hawthorn-scented, creamy white Spiraea-like flowers. In bud they look like tiny pearl beads. They work in nicely with other cut flowers. August and September. 4 feet.

Each 35c; 3 for \$1.00

### Asters—Hardy, Fall Flowering

**Michaelmas Daisies.**—Among the showiest of our late-flowering, hardy plants, giving a wealth of bloom during September and October. They grow freely in any soil. Fine for cutting; 3 to 6 feet. Lavender, White, Heliotrope and Blue.

Each 20c; doz. \$2.25

### Ameria

**SEA PINK OR THRIFT.**—Dwarf plants with 9-in. wiry stems of rosy pink flowers from early until late. Very hardy and useful in the rockery.

Each 25c; doz. \$2.50

### Anchusa

**ITALICA**—Dropmore variety.—Grow 4 feet high, covered with forget-me-not-like bright blue flowers in June.

Each 30c; doz. \$3.00

### Arabis

**Rock Cress**—One of the most desirable of the very early spring flowering plants for edging and the rock garden. Forms a dense carpet, completely covered with pure white double flowers; 6 inches.

Each 20c; doz. \$2.00

### Bellis Perennis

**English Daisy**—Popular early flowering plants. Very pretty for small borders.

**Double Red or White,** Each 20c; doz. \$2.00

**Mammoth**—Extra large flowers in white or pink only.

Each 25c; doz. \$2.50

### Coreopsis

**Lanceolata Grandiflora**—Popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; June; 1½ feet.

Each 25c; 3 for 65c

### Cantebury Bells

(Campanulas—or Bellflowers)

One of the most popular hardy garden plants on account of the beautiful clusters of long-stemmed, dainty yet large flowers. They are very showy. The "Calycanthema" are only "biennials."

**CALYCANTHEMA** (Cup and Saucer Canterbury Bells)—A beautiful form of this favorite flower. (See cut, next page.)

Blue, Rose or White. Each 25c; doz. \$2.50

### Chrysanthemums

They produce a lavish profusion of bloom; after most flowers are gone; very popular.

**Hardy Garden Sorts.**—We offer four colors. Field-grown plants. Yellow, red, pink or white.

Each 25c; 4 for 85c

**FOR NAMED JAPANESE AND ENGLISH SORTS** see page 75.

### Doronicum

One of the most effective and very early spring flowering perennials, growing about 2 feet high, producing a profusion of Marguerite-like golden yellow flowers of much beauty and elegance. It is a splendid flower for cutting.

Each 20c; doz. \$2.00; Large 30c

**PRICES.**—Ten times the each price will be the dozen price. All prices postpaid.

## Delphinium

(Hardy Larkspur)

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy; 4 to 6 feet. Fine for cut flowers, June to November; when the first blooms are faded, cut all foliage close to the ground and a second crop will come. (See cut.)

Choice Mixed, all shades.

Each 25c; doz. \$2.50

**Gold Medal Hybrids**—Unquestionably the finest strain of hybrids from the best named varieties. Very large, two-foot flowers, spikes in beautiful shades of lavender, light and dark blue.

Each 30c; doz. \$3.00

**Belladonna**—A free and continuous bloomer; flowers clear turquoise blue; very beautiful; long flower spikes.

Each 30c; doz. \$3.00

**Bellamosum**—Same as above; rich deep blue.

Each 30c; doz. \$3.00

**Formosum**—Dark blue, white centers; an old favorite; 3 to 4 feet high.

Each 30c

**GIANT ENGLISH VARIETIES**.—\$1.50 to \$5.00. If interested write for special leaflet. See page 57.

**DICENTRA — BLEEDING HEART.**—See page 82.



Campanula—Calycanthema

## Digitalis

(Foxglove)

Old-fashioned, hardy, desirable plants with broad foliage and showy flowers borne on spikes. June and July; 4 to 6 feet.

Mixed colors. Each 25c

## Forget-Me-Not

(Myosotis)

**Palustris**—A variety that is hardly ever out of flower; useful in a shady spot in the border.

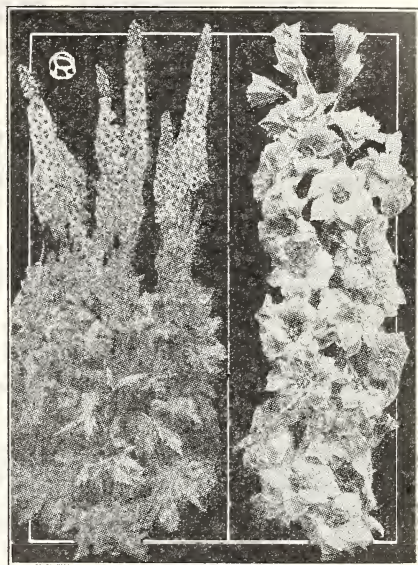
Each 25c; doz. \$2.50

## Gaillardia

(Blanket Flower)

Among the showiest and most effective of perennial plants, blooming continually from early summer on through the season. Grows 2 feet high. Flowers about 3 inches across, dark red in center with rings of crimson and vermillion encircling same on a golden yellow ground.

Grandiflora. Each 25c; 3 for 65c



Delphinium (Plant and Flower Spike)

## Geum

A showy border plant, growing about 18 inches high and producing all summer and fall brilliant double scarlet flowers in large clusters. This new variety is a fine advance from the older sorts heretofore grown. We consider this the finest red hardy plant.

Mrs. Bradshaw, Double.—Scarlet.

Each 30c; 3 for 75c

## Gypsophila

(Baby's Breath)

Fine, delicate foliage. Minute white flowers borne in enormous quantity in open panicles during summer months. Be sure and have a few plants of this for cutting, as it works up beautifully in bouquets of other flowers; 3 to 4 feet.

Paniculata.

Each 25c to 35c

## Helenium

Hardy perennials, bearing in profusion during summer and fall, beautiful flowers for display or cutting.

Each 30c; 4 sorts \$1.00

**Autumnale Rubrum**.—Robust grower, bright terra cotta red flowers; 3 feet.

**Autumnale Superbum**.—Massive spreading heads of deep golden yellow flowers; 5 feet.

**Riverton Beauty**.—Rich lemon-yellow with purplish black cone. August and September; 3 to 4 feet.

**Riverton Gem**.—Old gold changing to wall flower red. August and September; 3 feet.

## Heuchera

**Sanguinea (Coral Bells)**.—A compact bushy plant of robust constitution and easy culture, bearing during July and August graceful sprays of coral-red flowers in great profusion. Fine for cutting. Each 25c; doz. \$2.50

## Hemerocallis

**Day Lily**—Three feet; June and July. Flowers clear, full, yellow or orange; very fragrant; fine for cutting.

Flava—Lemon yellow.

Each 30c

Fulva—Orange.

Each 30c

## Hollyhocks

Double or Semi-Double, in separate or mixed colors. Each 25c; doz. \$2.50

**HARDY PERENNIAL FLOWERING PLANTS—Continued**

NOTE.—25c plants are \$2.50 doz.; 30c, \$3.00 doz. See note top page 82.

**Hypericum**

(St. John's Word)

**Moserianum (Gold Flower)**—Of drooping, trailing nature. Fine for rockeries, etc. Free flowering. Rich golden-yellow; beginning in June. Each 25c; clumps 50c to 75c

**Iberis**

**HARDY CANDYTUFT (Sempervirens)**—Pure white flowers, March to June; 8 to 12 inches; fine for edging. Each 25c; doz. \$2.50

**Lavender**

**Vera**—The true, sweet fragrant lavender. Flower stems always in demand. Small plants 20c; large plants, 25c to 50c each

**Nepeta**

**FLOWERING SAGE (Mussini)**—Very fine foliage, with masses of single lavender-blue flowers all season; very pretty and dainty. Dwarf, rockery or edging (1 foot). Each 30c; doz. \$3.00

**Phlox**

Among the hardy perennial plants no class is of more importance than the Phlox, succeeding in almost any soil and position, and flowering through a long season. Excellent for cutting and decorating or for mass effects.

**Prize Collection Phlox Plants**

New, rare and rich; flowers of largest and best types; very choice.

We offer you large field plants in the following at 30c each, 6 for \$1.50; doz. \$2.50.

**Athis**—Light salmon, violet eye; tall.

**Antonin Mercie**—Light lavender, turning to white at center; lavender eye; dwarf.

**Baron Von Dedem**—A beautiful, large, deep pink suffused with orange.

**Beacon**—Brilliant cherry-red, showy flower.

**Diadem**—A stately pure white. Wonderful panicles of fine sized flowers.

**Europa**—A white variety with very decided crimson carmine eye; the individual flowers as well as the trusses are very large, entirely distinct.

**Eclair**—Brilliant rose magenta with a large lighter halo. Tall.

**Hindu**—A lovely soft pink with a white halo; rare and beautiful.

**Helen Lockwood**—Extra large, beautifully formed trusses of flowers on tall stems. Color bright crimson, dark red eye.

**Millie Von Hoboken**—Rose-pink shaded with salmon; deep eye.

**Miss Lingard**—Waxy white, wonderful long spikes of handsome flower; profuse bloomer (2 feet).

**Selma**—Delicate light pink, with distinct carmine eye. Florets very large in mammoth sized trusses. Strong growing variety of great merit.

**Creeping Phlox**

**Subulata (Moss Pink)**—Early spring, moss-like evergreen foliage. Excellent for rockery.

White, lilac or rose-pink. Each 25c



Hardy Phlox

**Poppy**

**Nudicaule (Iceland Poppy)**—A beautiful class of hardy poppies. Flower stems about a foot in height, bearing elegant cup-shaped flowers, ranging in color from white to scarlet, but most valuable in the yellow and orange shades. Valuable for cut flowers, lasting well when cut.

Mixed All Colors, each 25c; doz. \$2.50

**Poppy—Oriental**

Fine subjects for massing or planting singly in the hardy garden; 3 feet. They make a wonderful show when in bloom. May and June.

**Goliath**—Large bright scarlet.

**Oriflamme**—Gorgeous orange-scarlet.

**Salmon Queen**—Delicate salmon pink.

**Pentstemon**

**BEARD TONGUE**.—For description see flower seeds, page 63. Plants, each 25c

**Primroses Primula**

**English Primrose**—Pretty low growing plants bearing large numbers of beautiful flowers very early in the spring and having the old-fashioned cowslip fragrance so dear to the heart of every Englishman. The flowers are in a wide range of rich colors from golden-yellow to deep crimson maroon.

**Mixed Hybrids**—Each 25c; 3 for 65c

**Vulgaris**—Canary yellow, very early, fragrant. Each 25c

**Pyrethrum**

**Persian Daisy**—One of the most valuable of our early summer flowers; charming shades of color and wonderful lasting properties as a cut flower; they flower in May and June.

**Hybridum**—Single; mixed.

Each 30c; doz. \$3.00

**Rudbeckia**

(Golden Glow)

Flowers beautiful golden-yellow; very double. Marvelous continuity of bloom from June till late fall; 6 to 8 feet.

Small plants 25c; large 35c

**FEED YOUR PLANTS.**—You must supply "feed," in other words, fertilizer, if you want the best results. Read about "Marvel" and "H. Q.," pages 38-39.

## CURRENT PRICE LIST

DATE **FEB 3 1926**

REMEMBER - This Price List, subject to change without notice. Good for prompt acceptance only. Note the date, if old, ask for new list.

" H-Q Stands for Highest Quality "

**Routledge**  
**SEED & FLORAL CO**

WEST SIDE STORE  
145-147 - 2<sup>ND</sup> ST.

PORTLAND-ORE.

EAST SIDE STORE  
GRAND AV. - COR. STARK

## ABOUT PRICES

When ordering less than 100-lb. lots  
Add  $\frac{1}{2}$  c lb. in 50-lb. lots, or  
1c, lb. in 25-lb. lots, or  
3c lb. in 5 to 20-lb. lots, to cover cost of  
bags, etc.  
In less quantity see pound prices following.  
description in seed catalog.

NOTE. - We give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds we send out, and will not be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.

ROUTLEDGE SEED &amp; FLORAL CO.

## CLOVERS AND GRASS SEEDS.

	Per 100 lb.		Per 100#
Alfalfa-Fancy	\$22.00	English Rye Grass	\$13.00
Dryland	24.00	Italian Rye Grass	14.00
Grimm True	47.00	Western Rye Grass	11.00
Red Clover-Fancy	32.00	Red Top Grass-Choice	20.00
Mammoth	37.00	Fcy. Hulled	40.00
Sudan Grass	12.00	Mesquite-Hulled	18.00
Alsike Clover-Fancy	34.00	Bromus Inermis	19.00
White Clover-Choice	55.00	LAWN GRASS MIXTURE 1 to 25 lbs.	
"    "    Fancy	60.00	R. R's. Evergreen Lawn	65¢ per lb.
Sweet Clover-Wh. Blossom	18.00	Evergreen & Wh. Clover	65¢ " "
Timothy-Fancy	12.00	Blue Grass & Wh. Clover	65¢ " "
Orchard Grass-Fancy	24.00	"    "    Fcy. for Lawn	60¢ " "
Kentucky Blue-Field	45.00	White Clover " "	65¢ " "
"    "    -Fancy	50.00	Creeping Bent-Imported	1.40 " "
Meadow Fescue	22.00	"    "    -American	2.00 " "

## FIELD SEEDS---GRAIN

	Per 100#		Ton	Per 100#
Barley-H. Q. Beardless	3.75	Oats-Shadeland Eclipse		3.50
Hannchen (2 row)	3.50	"    Climax	65.00	3.50
White Bald-Hulless	4.75	Swedish-Select		3.75
Buckwheat-Silverhull	6.00	Shadeland-Hulless		7.00
Japanese	6.00	White Seed Oats		3.00
Cheat-Recleaned	3.00	Grey " "		3.00
Cow Peas	10.00	Rape-Dwarf Essex 10#	\$1.25	9.50
Corn-Minn. No. 13	7.00	Vetch-Oregon Common		6.25
Oregon Yellow Dent	7.00	Sand or Hairy		13.00
Longfellow	8.00	Wheat-Spring Varieties		
Pride-Of-the-West	7.50	Early Baart		4.50
Field Peas-Canadian	6.00	Blue Stem		4.50
Blue	7.00	Marquis		4.50
Millet-Golden	9.00	Onion Sets	1b.	10 lbs.
Liberty	9.00	Yellow Bottom	.15	1.25
Early Fortune	8.00	White " "	.15	1.25
Rye-Common	3.00	Top Multipliers	.20	1.75
Spring	3.85			

## FANCY POTATOES FOR SEED

QUANTITY DISCOUNT-In 3 sk. lots 10¢ less; 5 sk. lots 15¢ less  
10 sk. lots 20¢ less and 25 sk. lots and up 25¢ less per sack.

	Per 100 lb.		Per 100#
Earliest-Of-All-very short	5.00	Imp. Burbank	4.25
"    "    Single drop	4.50	Netted Gem	4.25
Routledge Early Ohio	4.50	American Wonder	4.25
Early Rose	4.50	ARTICHOKES-White Jerusalem	2.50



**PRICES.**—All prices postpaid—10 times the each price is dozen price. Express, freight and call orders 25c less in dozen lots.

### Saxifraga

**Umbrosa** (London Pride).—A low-growing, spreading sort, throwing up slender stems a foot high of pretty pink flowers in dainty clusters; small, dark evergreen leaves. A fine border for banks or rockeries.

Each 20c; doz. \$2.00

**Megasea.**—Very hardy, flowers rose-pink; leaves broad, round, deep green; 1 foot. Pretty flowers; very early. Each 25c; doz. \$2.50

**Tunica.**—Flowers soft pink, blooms all summer. Fine for rockery. Each 25c

### Shasta Daisy

Very large daisy-like flowers, often measuring 4 to 5 inches across, having three or more rows of petals of the purest white. Flowers produced in great profusion on long strong stems. Very popular; 2 to 3 feet.

Each, small 20c, \$2.00 doz.; large 25c  
Clumps 35c to 50c

### Scabiosa

**Caucasica.**—A choice hardy plant, thriving in any situation and producing fine umbels of beautiful lavender-colored flowers all season through; flowers very lasting, admirably adapted for cut flower purposes; grows 18 inches high. One of the finest perennials.

Each 25c; 3 for 65c

### Sponiaria

**SOAP WIRT** (Ocymoides).—Dwarf, fine leaved, with small bright pink flowers from May to August. 8 inches. Fine for rockery or edging.

Each 25c; doz. \$2.50

### Stokesia

**Cornflower Aster** (Cyana).—Handsome lavender-blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds 18 to 24 inches high, June to September.

Each 30c



Tritoma

### Sweet Williams

Of late years these have been greatly improved in form and habit. They produce a wonderful array of vivid colors in fancy patterns. Flowers in flat clusters, very showy and effective; 18 inches; are at their best during June and July.

**English Varieties.**—Mixed.

Each 25c

**Newport Pink.**—Rose pink.

Each 30c



Sweet William

### Thalictrum

**MEADOW RUE** (Dipterocarpum).—Fine, fern-like foliage; tall sprays of dainty violet-mauve flowers, brightened by a cluster of yellow stamens. Fine for cutting. 3 feet.

Each 30c; doz. \$3.00

### Tritoma

(Flame Flower or Red Hot Poker)

**Pfitzerii.**—Blooms from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses (see cut). Each 35c to 50c

### Valeriana

**Garden Heliotrope.**—Decorative plant for the rockery, with strong heliotrope odor.

**Coccinea Rubra.**—Rose-pink flowers; blooms

Each 25c

### Veronica

**Rupestris.**—A fine rock plant, growing 3 or 4 inches high, thickly matted deep green foliage, hidden in spring under a cloud of bright blue flowers.

Each 25c

### Vinca

**Myrtle** (Minor).—An excellent dwarf evergreen trailing plant used extensively for carpeting ground under trees and on graves; small dark green leaves. Each 20c; doz. \$2.00

### Violets

**California Single.**—Large, violet-blue.

Each 20c; doz. \$2.00

**Double White or Double Blue.** 25c; doz. \$2.50

### Wall Flower

**Double English.**—A fine old hardy garden plant seen in every English garden. Grows about 18 inches high and produces early in the spring, rich colored spikes of bloom in various shades of yellow and brownish red.

**Yellow, Red or Crimson.**

Each 25c

**Mixed, all colors.**

Each 20c; doz. \$2.00

### Yucca—See Page 105

**FOR BEST RESULTS,** plant these hardy perennials in the fall or early in the spring before new growth gets too far advanced.

## CHOICE HERBACEOUS PAEONIES

Fine, hardy plants, rivaling the Rose in perfection of bloom, color and fragrance. They are at home in any climate or soil, but thrive best in deep, rich, well-drained loam. They make a gorgeous display. The Paeony is perfectly hardy. Plant in the fall or early spring and do not cover the crown of the roots over 2 or 3 inches.

Our collection of varieties is unsurpassed. Every one is a beauty of sterling merit. We send out strong roots for quick results.

**DUCHESS OF ORLEANS.**—Fine, large flower, long stem, healthy grower, profuse bloomer; color, light flesh pink, with creamy yellow center. Rare and beautiful. Each 50c

**DUCHESS DE NEMOURS.**—Chaste and beautiful snowy white flowers of exquisite form and good size. Fine upright grower and free blooming. One of the finest. Each 75c

**EDOUARD ANDRE.**—Dark, velvety crimson with carmine tints. Dwarf habit of growth. Flowers of fine size and very lasting. Valuable dark variety. Each \$1.00

**FESTIVA MAXIMA.**—This is not only the finest white in existence, but in most quarters is regarded as the queen of all the Paeonies; it combines enormous size with wondrous beauty, often 7 to 8 inches in diameter; color, snowy-white, flecked with an occasional clear purple spot on edge of center petals; early mid-season; very fragrant. A glorious flower. Each 75c

**FRANCOIS ORTEGAT.**—Deep crimson with shades of amaranth, golden yellow, anthers; fragrant, free blooming and striking variety. Each 75c

**GRANDIFLORA RUBRA.**—Immense globe-shaped flowers of a rich bright red color. A very fine mid season variety which attracts attention at once. Each 75c

**GOLDEN HARVEST.**—Beautiful and graceful creamy yellow flowers, having guard petals heavily suffused with pink. Each 75c

**LADY LENORA BRAMWELL.**—A grand mid-season sort with large massive silver pink flowers, borne on stout stems. The most fragrant of all Paeonies. One of the finest sorts extant. Each 75c

**MAD. DE VERNEVILLE.**—Pure white, with edges of petals bordered carmine, early, free and exceptionally fine. One of the very finest white Paeonies. Each 75c

**NE PLUS ULTRA.**—Exquisite peach pink, petals edged pure white. Very handsome flower, produced in great profusion. Each 50c

**OFFICINALIS RUBRA.**—Rich crimson flowers, the earliest of all to bloom. The "Piney" of our grandmothers' gardens. Each \$1.00

**PRINCE IMPERIAL.**—Rich, bright red; large globular flowers on tall footstalks produced in midseason. A splendid dark colored variety. Each 75c

**QUEEN VICTORIA.**—Very popular, large, full, compact bloom; opens flesh white, changing to pure white, center petals tipped with carmine spots. A grand white Paeony for any purpose. Keep well when cut. Each 60c



Paeony Festiva Maxima

## DICENTRA

(Bleeding Heart)

An old-fashioned favorite; its long racemes of graceful, heart-shaped, pink flowers are always attractive. Perfectly at home in any part of the hardy border, and especially valuable for planting in the shade.

Choice Roots, 75c



## LILY OF THE VALLEY

One of the most charming spring flowering plants, producing in profusion its delicate, bell-shaped, delightful, fragrant, white flowers. Valleys thrive in any common soil, and will do well in shady situations, where few other plants will succeed. Highly prized for cutting purposes and exceedingly well adapted for flowering in pots in the winter.

They are perfectly hardy and most charming planted in beds or borders around the lawn, where they can remain, increase and bloom from year to year. Plant 4 to 6 inches apart in rows 12 inches apart and cover about 4 inches.

**IMPORTED PIPS,** for forcing indoors or planting outside. Note.—First stock arrives in December. 4 for 25c; doz. 75c; 100, \$5.00

**NOTE—CUTTING PAEONIES.**—Cut the flowers in bud when half open and let them open

## HARDY IRIS

### JAPAN IRIS KAEMPFERI

These magnificent Iris are among the most beautiful of our summer-flowering plants, and are becoming more popular each season. They commence blooming about the middle of June and continue for five or six weeks. Many of these flowers measure from 10 to 12 inches in diameter and rival the orchids in their rich and brilliant colors, from pure white to darkest purple; most all are beautifully veined and with contrasting colors, producing effects that are truly marvelous. We have some of the finest varieties obtainable.

### WONDER COLLECTION

Eight wonderful large flowering kinds of rare and rich colors. Grown under our own supervision and true to description. Strong roots, each 50c. Collection of 8 for \$3.50.

**Tsutsu (No. 1).**—Dark purple flower, good producer, very fine double.

**Goko (No. 2.)** Very large open flowers of a deep lavender, heavily veined and mottled with purple; a dash of yellow at base of each petal.

**Hodai (No. 3).**—Enormous spreading flowers with prominent antlers in the center. Color rich purple shading to orchid with dark veins. A lovely color.

**Nishiki (No. 4.)** A beautiful ruffled flower of grand size. Color a rare shade of rosy pink suffused purple, shading to a white center.

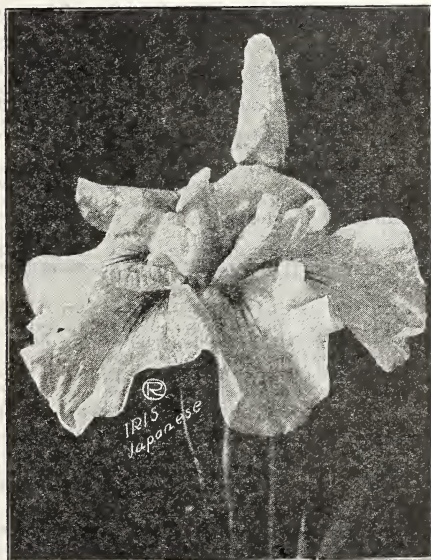
**Sumida (No. 6).**—Large flower, lavender shaded and veined with white.

**Yamato (No. 5.)** Large silky white flowers of fine form, with beautifully ruffled petals shaded and distinctly edged with lavender-blue.

**Risho-no-tama (No. 11).**—A fine free bloomer; a fine rich purple.

**Chitojuro (No. 13.)** Pure white petals, creamy white center. Antlers slightly suffused delicate pink. Very free flowering.

**MIXED JAPAN IRIS**—Each 35c; doz. \$3.50.



Japan Iris



Liberty Iris

### LIBERTY IRIS

Germanica

These are among the most desirable and easiest grown of our spring flowering hardy plants, producing in May and June their showy flowers of exquisite coloring, combining the richest and most delicate tints. They thrive everywhere and are always in bloom by Decoration Day.

### Prize Collection

New and distinct varieties of great beauty and handsome, large flowers.

Each 25c; full prize collection (7), \$1.50; per doz. assorted or straight, \$2.50.

**Aurea.**—The finest pure yellow.

**Caterina.**—Beautiful clear blue, falls soft lilac.

**Darius.**—Rich yellow, falls lilac edged white.

**Honorabilis.**—Golden, falls mahogany brown, very pretty.

**Maori King.**—Golden yellow, falls crimson.

**Mad. Chereau.**—White, frilled, blue border.

**Queen of May.**—Rosy lavender, almost pink.

**LIBERTY IRIS IN MIXTURE.**—Many fine varieties. Per doz. \$1.50; per 100 \$10.00.

## MONTBRETIAS

Beautiful—Graceful—Very Floriferous

Quite rare and not generally known. Allied to the Gladiol. Perfectly hardy here, but should be given protection or removed where winters are severe.

They are very beautiful, bright and showy summer-flowering bulbs. Delightful for cutting for vases. Flowers freely produced on tall, slender, graceful sprays. Height 18 to 24 inches. Flowers brilliant orange-red and salmon shades. Plant 4 to 6 inches apart, cover 1½ to 2 inches. Plant plenty.

Prices: Each 7c; doz. 75c; 100, \$6.00.

Plant more of the above; they increase in size and beauty each year. Divide the roots in the fall each third or fourth year and reset.

## NEW ENGLISH SNAPDRAGON

**Anthirrhinum.**—These new varieties grow about 1½ feet high and flower continuously all summer. The flowers are closely set in large spikes and cover a wide range of color. Snapdragons are one of the very best bedding plants and are very popular at present. They can be planted annually like geraniums but are hardy west of the Cascades and will thrive the second year outside.

Price, 15c Each; \$1.50 per dozen; \$10.00 per 100.

Full Collection, 1 each, 6 kinds, 75c postpaid

**Enchantress.**—Exquisite almond blossom pink. Very large, closely set on fine strong stalks. Early and very free blooming.

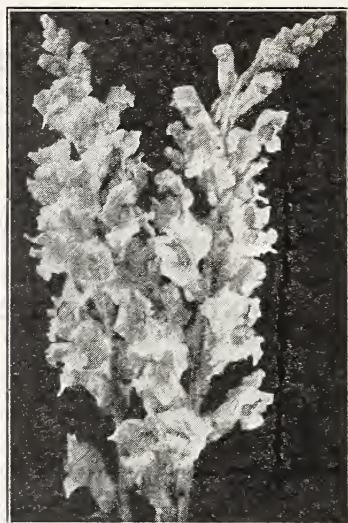
**Flame.**—Brilliant orange scarlet flowers in fine, strong spikes blooming with great freedom. A blaze of color.

**Golden Queen.**—Rich golden yellow flowers of fine size on heavy close set spikes. Very striking bedding variety.

**Prima Donna.**—Rich terra cotta shaded with pink and having a golden yellow throat. Strong grower, very free flowering.

**Matchless.**—Large spikes of brilliant apricot color with golden yellow throat. Very effective when massed in groups or borders.

**White Queen.**—Large spikes of pure white flowers, produced with great freedom. Splendid for borders and beds.



Snapdragon

**CHOICE MIXED**—Grown from the finest mixed seed. Doz. \$1.00, postpaid.

## AMARYLLIS

These hardy flowering bulbs are very popular for pot culture and garden. Their giant, Lily-like flowers produced on tall stems are exceedingly rich and lasting. For pot culture, 1 bulb to a 6 inch pot. In the garden, plant 1 foot apart and cover top of bulb 2 inches.

**BELLA DONNA.**—Beautiful pink, large flowers; hardy, fall bloomer. Each 50c

**GIANT HYBRIDS.**—Produce superb and gorgeous flowers during spring and summer in shades of pink, scarlet and maroon, marked with white. Best pot variety.

Each 85c; 2 for \$2.25



Single White Tube Roses, from photo

## TUBE ROSES

(Bulbs in season from March to June)

One of the most delightfully fragrant and beautiful of the summer flowering bulbs. The lovely clusters of sweet, white flowers are borne on long 2-foot stems, making them very desirable as a cut flower. For flowering in the garden (July to October) plant after all danger of frost is past in any good, loose, rich well-drained garden soil.

**EARLY SINGLE WHITE.**—We have tested out the different varieties and find that the Early Single White tube rose will flower very successfully here. Plant from March to June. Take up after the first frosts and keep in dry, cool cellar until the next spring. Each 20c; doz. \$2.00

**DOUBLE PEARL.**—Double flowers. Eastern stock, good for forcing under glass but not free-flowering outside. Each 15c; doz. \$1.50

## CALLA LILIES

The Calla is one of the best winter flowering plants for room culture, needing little care beyond abundant water and an occasional washing of the leaves to keep them free from dust. Plant one bulb in a 6-inch pot. As soon as it starts growing bring to the light and heat and the result will be most satisfactory

**YELLOW ELLITIANA.**—This new Yellow Calla is of marvelous beauty; flowers are large rich, dark golden yellow, often 4 to 5 inches across the mouth; leaves are beautifully spotted with white. Bulbs in stock from November to May. (See cut.)

Select bulbs, each 35c; 3 for \$1.00

**WHITE CALLA.**—The most extensively grown; bulbs in season from September to May.

Choice bulbs, 15c; large 20c  
Extra large, 35c; 3 for \$1.00

**NEW GODFREY.**—Plant is more dwarf in growth; flowers lily white, very graceful and produced in astonishing numbers; come into flower quicker; will also do well in the garden for summer flowers

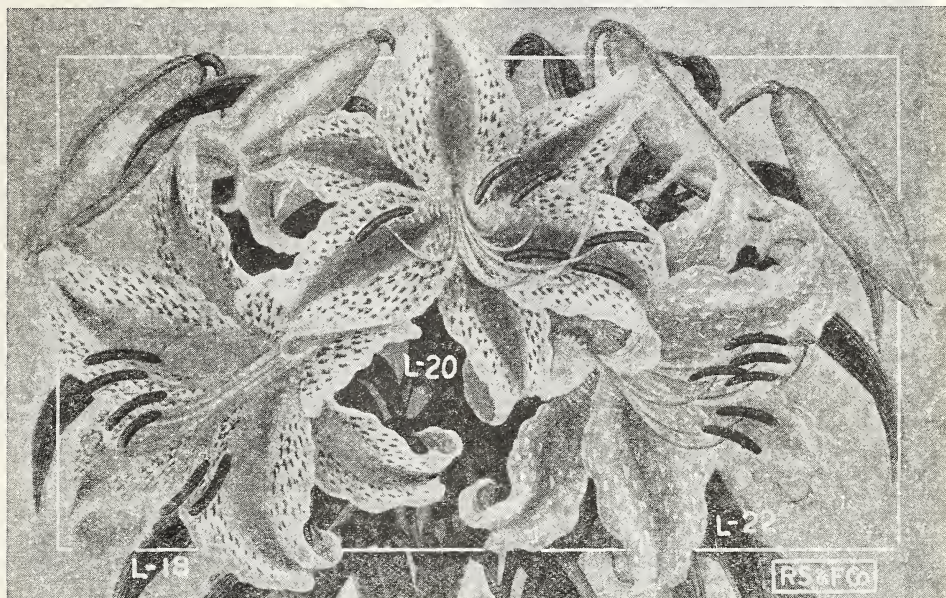
Each 25c; 3 for 65c

**REMEMBER**—Our fall catalog of Flowering Bulbs, Hyacinths, Tulips, etc., ready September 1 each season. Free on request.

## BEAUTIFUL HARDY LILIES

These are the most fragrant, beautiful and stately of all flowers produced from bulbs. This year we have imported a very large and complete line of all the finest and most desirable kinds. Lilies can be easily grown by anyone.

We list only the hardy varieties that will give planters much pleasure and happiness. Ideal locations are in the shrubbery or herbaceous border, where the roots are sheltered from the hot sun. Groups of six or more lilies of a kind, here and there, in such situations are most effective. Large isolated clumps or beds of the varieties Auratum, Henrii, Speciosum, Tigrinum, etc., are also very beautiful. They should be planted 6 to 8 inches below the surface in light soils, or 4 to 5 inches below in heavy soils; in the latter case the bulbs should be surrounded by sand to facilitate drainage.



GIANT FLOWERING AURATUM LILIES.—L-18, PICTUM; L-20, RUBRO VITTATUM; L-22, PLATYPHYLLUM.

**AURATUM.**—The gold-banded lily of Japan and probably the most popular variety on account of its strong growth and profusion of large, handsome flowers, which are white, heavily dotted with crimson, and with a clear golden band through the center of each petal. Deliciously fragrant. Grows 4 to 5 feet, 3 to 10 and when well established will give 15 to 25 giant flowers on 5 to 7-foot stalks. (Like cut L-22.)

First size bulbs.... (8 to 9) each 25c, doz. \$2.50  
Mammoth bulbs ... (9 to 11) each 40c, doz. \$4.00  
Jumbo bulbs ... (11 to 13) each 50c, doz. \$5.00

**A. PICTUM (L-18).**—This is a very uncommon variety. A large, handsome flower of pure white, with pink dots or small spots. The broad band up the center of each petal starts out golden orange, about half way towards the end of the petal it changes to deep red, making a very showy and unique colored lily. (See cut L-18.)

Mammoth bulbs (9-11), each 75c, doz. \$7.50.

**LILIUM RUBELLUM.**—A beautiful, medium sized, short trumpet-shaped lily. The petals are more open and reflexed than the pink Kramerii. It will make a fine display in the garden and also be ideal for cutting. Flowers are of a lovely rosy-pink, showing just a trace of lavender on buds and having dainty golden anthers.

Select bulbs, each 40c; doz. \$4.00.

**A. PLATYPHYLLUM (L-22).**—This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance. The giant of the lily family. (See cut L-22.)

Mammoth bulbs (9-11), each 60c, doz. \$6.00.

**A. RUBRO VITTATUM (L-20).**—A very pretty and rare variety, seldom seen. Pure white, thickly dotted with scarlet, and in addition has a band of deep pink through the center of each petal. Flowers large and showy. (L-20.)

Mammoth bulbs (9-11), each 75c, doz. \$7.50.

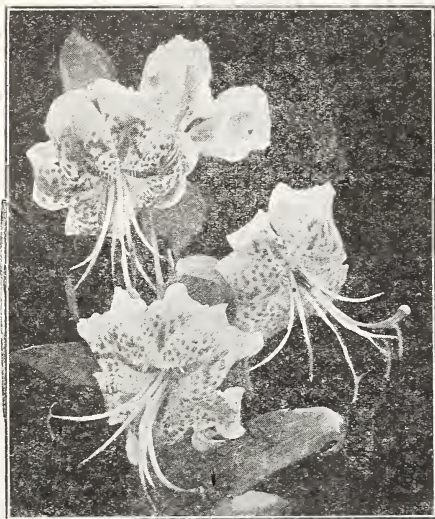
**LILIUM BROWNII.**—This variety produces lovely large, trumpet-shaped flowers, like the "Easter Lily," but in place of being pure white it is only pure white inside, the outside being canary-yellow, shaded light brown. A beautiful and distinct combination. A lily of rare beauty and delightful fragrance.

Select bulbs, each 75c; doz. \$7.50.

**LILIUM KRAMERI.**—This superb, trumpet-shaped lily is a beauty and the only lily we know of that is of such a lovely shade. It is a beautiful shade of light rosy-pink, suffused with cream and blush. Anthers distinct and golden brown. (3 to 4 feet, August.)

Select bulbs, each 50c; doz. \$5.00.

You will be pleased with our Lily Bulbs. Much larger than most houses sell. You'll get fine flowers the first year.



Lilium Speciosum.

**LILIUM HANSONI** (Golden Turk's Cap Lily).—A rare and fine lily. Blooms in June and early July, the flowers appearing in large clusters. Color bright golden yellow with deep brown dots. Anthers orange-red. This is one of the very hardy lilies that is well adapted to general cultivation. Same style as "Henryi." Three to five feet, excellent for a permanent planting.

Select bulbs, each 75c; doz. \$7.50.

**LILIUM LEICHTLINI ORANGE** (see figure L-14, page 87).—A strong, vigorous grower producing in profusion lovely large, rich reddish orange flowers on tall stems. Flowers thickly dotted with dark brown. When well established it's a wonder in hardiness and freedom of flowers. Same style as L-14.)

Select bulbs, each 35c; doz. \$3.50.

**LILIUM LEICHTLINI YELLOW**.—Of the same healthy, vigorous growth and same shaped flower as L. L. Orange. It produces on tall, graceful stems 5 to 15 flowers of a lovely rich lemon-yellow, thickly dotted with dark brown. Plant freely of this variety for good yellow lilies are always in demand. (See L-14 for style.)

Select bulbs, each 50c; doz. \$5.00.

**LILIUM BATEMANIAE**.—A sturdy, healthy grower, producing 5 to 10 reddish-orange flowers to a stem. It's a beautiful upright, spreading open flower, prominently showing the golden-brown anthers. (Style of L-6.)

Select bulbs, each 35c; doz. \$3.50.

**MT. HOOD** (L. Washingtonianum).—A beautiful lily, native of Oregon; flower of open trumpet form; white, tinted with lavender-pink; grows 3 to 5 feet high; very fragrant; few lilies surpass it. Bulbs in October.

Small (blooming size), each 25c; doz. \$2.50. Medium, each, 30c; doz. \$3.00. Large, 40c; doz. \$4.00. Jumbo size, 75c each.

**GIANT TIGER LILY** (Improved Tigrinum Splendens).—Very hardy and sure to bloom. Large, single flowers, rich orange, freely marked with small black dots (4 feet). An old and popular lily. (See cut L-14.)

Each 20c; doz. \$2.00

**DOUBLE TIGER LILY** (Tigrinum Fl. pl.).—Handsome double flowers on strong stems, same color as above (4 feet).

Each 25c; doz. \$2.50

## Speciosum Lilies

### Beautiful in Color and Fragrant

The Speciosum Lilies have a rich blending of colors, and delicate fragrance not found in any other type; when in bloom the air for some distance is charged with a sweet perfume. Do equally well in the open border or in pots. The petals on the lovely flowers curve gracefully backward, exposing the beautiful markings which characterize this class. (See cut.)

**SPECIOSUM ALBUM**.—Beautiful white flowers of great substance with a greenish band in the center of each petal. 3 to 4-foot stems with 3 to 12 flowers per stem.

First size bulbs (8-9), each 35c, doz. \$3.50.

Mammoth bulbs (9-11), each 45c, doz. \$4.50.

**SPECIOSUM RUBRUM**.—White ground, shaded deep rose and freely spotted crimson. Very hardy and sure to bloom. A beautiful and very popular variety. Flowers 4 to 5 inches across and stems 3 to 4 feet tall.

First size bulbs (8-9), each 25c, doz. \$2.50.

Mammoth bulbs (9-11), each 35c, doz. \$3.50.

**SPECIOSUM MELPOMENE** (Magnificum).—A greatly improved Speciosum of wonderful color. Frosted white, suffused pinkish crimson and spotted crimson red. The base of each petal is striped with green and the anthers are red. This is a very fine lily. Flowers larger than "Rubrum," which it resembles. A strong grower; a real beauty.

Mammoth bulbs (9-11), each 40c, doz. \$4.00.

**HENRYI** (The Yellow Speciosum).—A new, rare and very beautiful lily from China. It is very hardy, and without doubt one of the best lilies for garden culture. The flower stalks, 3 to 5 feet high, carry 5 to 15 large flowers each, rich apricot-yellow, lightly spotted with brown. The shape and size of the flowers has suggested the name "Yellow Speciosum." (See cut.)

Large size bulbs, each 60c, doz. \$6.00.



Lilium Hansonii.

**LILIUM GIGANTEUM**.—Commonly called "Easter Lily," and thousands are forced each year by florists, but it is very suitable for garden planting. It is hardy and will increase in size and number of flowers each year. Outside it generally blooms in June. (2-3 ft.)

Select bulbs, 30c; doz. \$3.00. Extra large, 40c each.

**NOTE**.—Most lily bulbs are in stock from December to April. Giganteum, Candium, Regale and Mt. Hood can be had in August and September for early planting if desired.

### Lilium Elegans

Large tulip-shaped blossoms of many shades and colors. The umbels of upright, cup-like flowers are very pleasing. Among the earliest of all lilies to bloom, and good for pots and for forcing. Very hardy, healthy and free blooming in all situations. Flowers 4 to 5 inches across. See illustrations below.

**Note.**—This class of lilies do not produce such large sized bulbs as Auratum.

**E. ALICE WILSON (L-10).**—A fine upright grower. Flowers large and of a rich golden yellow with brown anthers. One of the best in this class.

Select bulbs, each 60c; doz. \$6.00.

**E. ATROSANGUINEUM (L-16).**—This is no doubt the richest colored lily among the Elegans class. Color inside rich crimson, shading to a bright scarlet towards the reflexed edge of petals; outside dark orange. Flowers of good size and very showy.

Select bulbs, each 50c; doz. \$5.00.

**E. DAVURICUM (L-12).**—This beautiful lily produces its lovely flowers upright, in clusters of 3 to 5, at the top of fine, strong stems. Its large flowers are brilliant orange, shading to orange-red on the outer edges of petals and attractively dotted purplish-black. A bright yellow band through each petal; anthers red.

Select bulbs, each 35c; doz. \$3.50.

**ELÉGANS SEMIPLENO (L-4).**—Every lily fancier should have this rich and rare variety. Flowers large and upright, are well expanded. Color is bright scarlet, and in place of the usual anthers it has oddly formed short petals in the center that contrast nicely as they are edged almost white.

Select bulbs, each 40c; doz. \$4.00.

**ELEGANS INCOMPARABLE (L-6).**—This is another beautiful variety. In color it's a brilliant crimson-red. Very large for this class and the wide open petals expose a cluster of prominent light stamens and orange anthers. This rich color will surely please you.

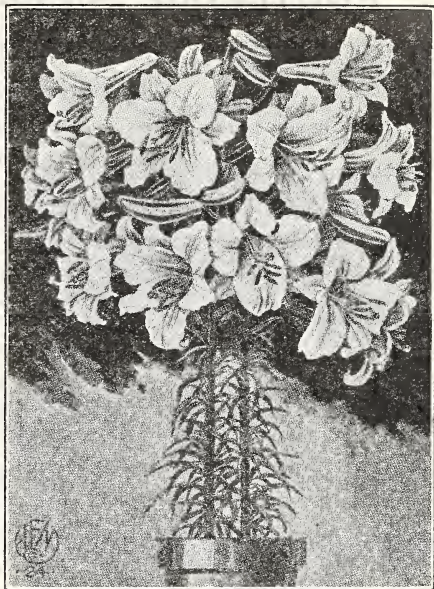
Select bulbs, each 40c; doz. \$4.00.

**ELEGANS ORANGE (L-2).**—A magnificent and showy variety, strong stemmed, upright flowers that are deep, yet well expanded and of a brilliant, rich golden-orange, suffused with salmon-rose in the center. A showy, pleasing and popular color.

Select bulbs, each 40c; doz. \$4.00.

**ELEGANS PLENO (L-8).**—The first and only real double upright lily in this class. Entirely distinct and a flower of beauty, being full petaled to the center. In color it's a rare shade of delicate light orange. We know of no other lily in this pleasing shade.

Select bulbs, each 35c; doz. \$3.50.



Regal—A Royal Lily.

**MYRIOPHYLLUM OR REGALE.**—A magnificent new lily from China. Grows 3 to 5 feet high, bearing handsome white fragrant, trumpet-shaped flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. It promises to be the most popular lily in our country, as it makes a magnificent garden lily and is easily forced or grown in pots. The fragrance is fascinating, somewhat like a "Gardenia." (See cut.)

Small but blooming age, each 40c; medium, each 50c; large size, each 60c; top size, extra, 85c. (The dozen price is 10 times the single price.)

**CANDIDUM (St. Joseph-Madonna Lily).**—This is the ever-popular, fragrant, snow-white, hardy garden lily. The flowers are produced in clusters, at the top of 4 to 5-foot stems; blooms in the open ground in June. A very hardy and popular trumpet-shaped lily.

Select, each 35c; doz. \$3.00; mammoth bulbs, 40c.



In making new beds spade deeply and mix into the soil a liberal amount of natural fertilizer and a little bone meal, also plenty of sand, leaf mold or peat (if obtainable) if the ground is heavy, for Lilies do best in rich loamy or sandy soil that is well drained.

# ROUTLEDGE SUPERB GLADIOLUS BULBS

The most popular and desirable of all garden bulbs. Nothing else that we know of grows and blooms so readily in any soil or climate. With ordinary care and attention they make a display in the garden unequaled by any other bulbous flower. For prize-winning blooms plant in rich soil, cultivate well and give plenty of water. Can be planted at any time from March to July 4. Plant 2 to 3 inches deep in heavy and 4 to 5 inches deep in light soil, 4 to 6 or 8 inches apart. Use "H. Q." brand Sheep Manure with a little "Marvel Q. A." Fertilizer, worked well into the top soil.

## Prize-Winners—Rare, Rich and Wonderful

We offer on this and the following three pages a most carefully selected list of the new and most beautiful sorts at greatly reduced prices. Plant liberally. ALL PRICES POSTPAID.

**A. W. HUNT.**—New. Giant flowers of a flaming orange red. The immense blooms are well arranged on long, graceful spikes.

Each 35c; doz. \$3.50

**ANNA EBERIUS.**—Beautiful flowers of a pleasing shade of dark, velvety purple. Very large ruffled flowers, well placed on tall spikes.

Each 12c; doz. \$1.25

**BENGAL TIGER.**—Handsome, large, wide open flowers of a rich, brilliant rosy-red with barbaric striping of a darker shade on edges of petals. The throat is enhanced by a suffusion of golden orange. A rich, rare and pleasing variety of recent introduction. (See colored plate outside back cover.) A \$2.00 variety for 35c each, \$3.50 doz.

**BYRON L. SMITH.**—Very delicate lavender, suffused light mallow-purple. Throat light yellow, etched dark orchid. Exquisite.

Each 15c; doz. \$1.50

**CONSPICUOUS.**—Light blue or lavender with yellow and dark blue on lower petal. Distinct, very pretty and pleasing.

Each 5c; doz. 50c; 100, \$3.00; 250 up at 2c

**CRIMSON GLOW.**—Flowers large, wide open, fiery crimson; of good form with well placed blooms; one of the best.

Each 10c; doz. \$1.00; 100, \$7.50

**COLUMBIA.**—Large, showy, free flowering; flame or light red. Very pleasing.

Each 5c; doz. 50c; 100, \$3.50

**DOROTHY McKIBBEN.**—A lovely color, La France pink, suffused geranium pink. Large, handsome, ruffled flower. Each 15c; doz. \$1.50

**E. J. SHAYLOR.**—Of real merit. Flowers large and of a beautiful pure deep rose-pink. Winner of many awards. Fine cut flower variety.

Each 15c; doz. \$1.50

**EARLY SUNRISE.**—New. Vigorous grower, producing large, well expanded flowers on tall, graceful stems. Color, rich glowing salmon, suffused pink and cream. A glorified "Hally." Early and a beautiful florist's variety.

Each 15c; doz. \$1.50; 100, \$10.00

**EUROPA.**—Purest white with just a trace of violet in throat. Unsurpassed in the whites.

Each 10c; doz. \$1.00; 100, \$7.50

**EVELYN KIRKLAND.**—La France pink overlaid rose doree, throat shell pink. Soft scarlet-red blotches. Color and arrangement of flowers on tall, graceful stems very pleasing.

Each 10c; doz. \$1.00; 100, \$7.00

**FLORA.**—Clear, light yellow, large flowers, well placed on tall, graceful stems.

Each 15c; doz. \$1.50

**FAIR COLUMBIA.**—Mallow-purple shading to light mallow purple in the throat. White stripe on lower petals. No bad habits, the best in this color.

Each 20c; doz. \$2.00

## FREE LEAFLET

How to grow and care for Gladioli bulbs free with each order if asked for.



## NEW "GLAD"

Early Sunrise  
Don't fail to plant it.

**GRETCHEN ZANG.**—A beautiful, sparkling shade of melting pink. A touch of scarlet on lower petals. Very desirable (bulbs smaller than most, but full blooming age).

Each 5c; doz. 50c; 100, \$3.00; 250 up at 2½c

**GIANT NYMPH.**—Silvery pink, creamy yellow throat. Immense wide-open flowers on long spikes. Without a question one of the choicest of recent introduction.

Each 50c; doz. \$5.00

OUR PRICES ARE VERY LOW, BUT THE SIZE, TRUENESS AND QUALITY OF THE BULBS COULD NOT BE BETTER.

**GOLDEN MEASURE.**—The one best yellow. Large flowers, deep golden yellow. Magnificent. Immense tall spikes of flowers.

Each 25c; doz. \$2.50

**GRANDEUR.**—Dark glowing crimson; very rich, large ruffled flower. A great favorite.

Each 15c; doz. \$1.50; 100, \$10.00

**HERADA.**—A pure mauve-colored variety of rare beauty. Large flowers and many open at a time on fine tall spikes.

Each 8c; doz. 75c; 100, \$5.00

**HALLEY.**—Delicate salmon-pink, overlaid with a light rosy tinge, enhanced by pale yellow center. Large open flowers, graceful spike. Very, very popular; early.

Each 5c; doz. 50c; 100, \$3.50

**HOLLYHOCK.**—Beautiful and rare. Flowers large and round, like a hollyhock; nicely placed on tall spikes. Handsome and attractive. Color, white with a red eye.

Each 50c; doz. \$5.00

**INDEPENDENCE.**—Clear salmon-pink, vigorous; beautiful large flowers, late when most others are gone.

Each 5c; doz. 50c; 100, \$3.50

**JACK LONDON.**—Light salmon, nicely marked with brilliant orange flame; golden yellow throat, feathered wine red. Very beautiful.

Each 10c; doz. \$1.00; 100, \$7.50

**KUNDRED'S ROSE.**—Extra large, showy flowers of a beautiful shade of rose; deep red in the throat.

Each 10c; doz. \$1.00; 100, \$7.00

**LE MARSHAL FOCH.**—Beautiful shade of pale silvery pink. Immense flowers and many open at once. A grand early variety.

Each 8c; doz. 75c; 100, \$5.00

**MRS. FRANK PENDLETON.**—More popular each year, for it's one of the best. Flowers large, open form, graceful and of a most pleasing shade of flesh pink with a large bright dash of crimson on the two lower petals. The flowers have that fresh, bright, attractive appearance so desirable in a cut flower. (See cut next page.)

Each 5c; doz. 40c; 100, \$3.00; 250 up at 2c

**MRS. FRANCIS KING.**—A very pleasing and popular variety. Light scarlet or flame color. Large and vigorous.

Each 5c; doz. 40c; 100, \$3.00

**MRS. DR. NORTON.**—Cameo-pink edging, shading to soft flesh-pink and suffused cream. A delicate and most exquisite color combination. Beautiful, large, perfect shaped flowers on graceful stems.

Each 10c; doz. \$1.00; 100, \$7.50

**MRS. LEON DOUGLAS.**—New. Handsome, stately variety. Giant, graceful flowers 5 to 6 inches across on tall spikes. Ground color, rich salmon-pink overlaid and beautifully penciled brilliant flame-scarlet; pale lemon throat, slightly specked ruby. A real beauty.

Each 60c; doz. \$6.00

**MRS. H. E. BOTHINS.**—Light geranium-pink, heavily ruffled scarlet center. One of Diener's most perfect creations and the loveliest color combination.

Each 20c; doz. \$2.00

**ORANGE GLORY.**—Grand orange color, throat lighter; very rich and striking color. Large, ruffled, beautiful and distinct.

Each 15c; doz. \$1.50

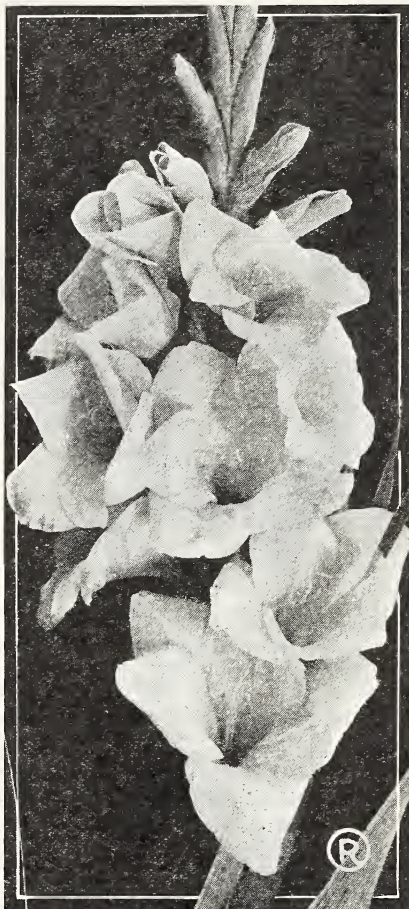
**PEACE.**—Very popular, extensively planted. Large, stately white flowers with lilac feathering in the throat; well placed on graceful spikes.

Each 5c; doz. 50c; 100, \$3.00; 250 up at 2c

Bellevue Crest, R. 1.  
Routledge Seed & Floral Co.  
Gentlemen: I am in receipt of my 250 Mrs. Frank Pendleton glads and wish to express my pleasure. I am highly pleased and am enclosing another order.

Very truly yours,

MRS. REX I. RUSSELL.



Golden Measure.

**PRIDE OF LANCASTER.**—A brilliant orange-salmon; rich, fiery, orange throat. Flowers beautifully ruffled on tall, massive spikes.

Each 15c; doz. \$1.50

**PRINCE OF WALES.**—One of the best and most beautiful of the popular "Salmon" color; vigorous grower and early bloomer. Lovely shade of apricot pink, suffused salmon-orange.

Each 5c; doz. 50c; 100, \$3.50; 250 up at 3c

**PURPLE GLORY.**—The giant of Kundred's Glory type. The extra tall, vigorous spikes produce magnificent giant, open flowers, with beautifully ruffled petals. Will attract instant attention among a multitude of blooms. Color, a velvety, deep, rich maroon red, almost purple.

Each 25c; doz. \$2.50

**SPECIAL.**—No. 2, No. 3 and No. 4 sizes in Gladioli Bulbs will all flower nicely. If interested in these sizes or in smaller planting stock write for SPECIAL PRICES. Very low prices per 100 and 1000.

## GLADIOLI — Continued



**POLA NEGRİ.**—Beautiful large ruffled flowers. Colors, apricot and lemon, shading to old rose and salmon outside. The loveliest color combination ever seen.

Each 50c; doz. \$5.00

**PYTHIA.**—Very distinct from the average red. The immense wide-open flowers are perfect in form and gracefully placed in tall, strong spikes. Color spectrum-red, suffused carmine. A most pleasing and gorgeous flower. Extremely showy. Don't fail to plant Pythia.

Each 25c; doz. \$2.50; 100, \$17.50

**RICHARD DIENER.**—Lively salmon-pink, suffused creamy yellow in the center. The most brilliant, glistening pink to date.

Each 50c; doz. \$5.00

**ROSE ASH.**—More popular each year, and no wonder, for it's a very distinct and beautiful pastel color—Corinthian red fading to ashes of roses, lower petals suffused yellow and speckled ruby. Each 15c; doz. \$1.50; 100, \$10.00

**ROUGE TORCH.**—Large flowers well placed on graceful spikes—a most pleasing flower—color blush pink with a tongue of vivid crimson on the lower petal. Small bulbs, but blooming age.

Doz. 35c; 100, \$2.50; 250 up at 2c

**REMEMBRANCE.**—Ruffled; geranium-pink deepening to rose-doree at outer edges, throat blotched pomegranite purple. A beautiful color and a strong grower.

Each 50c; doz. \$5.00

**SCHWABEN.**—Magnificent, large canary yellow. Throat rich golden yellow, marked with a rich carmine blotch. Eight to 10 wax-like flowers open at a time.

Each 5c; doz. 50c; 100, \$3.50

**SWEET LAVENDER.**—A rare, rich color; a combination of light violet and pink, suffused yellow in the throat; garnet blotch.

Each 35c; doz. \$3.50

**WAR.**—Large, glowing crimson flowers that make a gorgeous display. Late flowering.

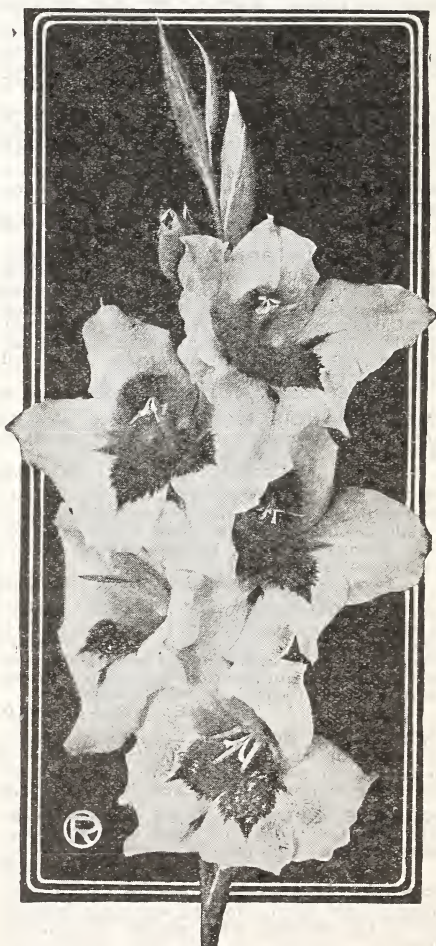
Each 10c; doz. \$1.00; 100, \$7.50

**WILLBRINK.**—Lovely flesh-pink, creamy yellow blotch, immense blooms. Very beautiful.

Each 5c; doz. 50c; 100, \$3.50

**YELLOW HAMMER.**—Pure yellow. Extra strong grower with long, graceful spikes of handsome flowers.

Each 5c; doz. 50c



Mrs. Frank Pendleton—see pg. 89

**SPECIAL.**—No. 2, No. 3 and No. 4 sizes in Gladioli Bulbs will all flower nicely. If interested in these sizes or in smaller planting stock write for SPECIAL PRICES. Very low prices per 100 and 1000.

## CHOICE LARGE FLOWERING GLADIOLI IN MIXTURES

For those who are not so particular as to variety names, yet who want a wide range of the most beautiful shades and colors for mass planting or for cutting, we offer three separate grades.

### ROUTLEDGE GOLD MEDAL MIXTURE

This mixture contains only the very choicest new varieties in all the favorite colors and shades. Grown separately and then mixed. The only safe way to make an ideal mixture. Contains several hundred varieties, many of which if sold under their proper names would be priced at 50c to \$1.00 each. Only the choicest, large flowering and ruffled types in this unequalled Gold Medal Mixture. First size bulbs, doz. \$1.00; 100, \$7.50; 1,000, \$50.00.

**CHOICE POPULAR MIXED.**—A splendid mixture of popular varieties in a wide range of colors, unequalled for the price. Doz. 40c; 100, \$2.00.

**SUPERB CHOICE MIXED.**—A wonderful mixture of only very choice, large, free-flowing varieties that we guarantee will please you and be the equal of any Mixture offered anywhere, with the exception of our Gold Medal. First Size Bulbs, doz. 75c; 100, \$4.00.

### Primulinus Hybrids

**BUTTERFLY MIXTURE PRIMULINUS.**—A new class, flowers smaller, hooded form; called Butterfly type. Beautiful flowers on slim, graceful spikes. More dainty for bouquets. We offer a superb mixture of the most beautiful colors and types. Many new and rare un-named varieties. Doz. 35c; 100, \$2.00; 500, \$8.00.

## TUBEROUS ROOTED BEGONIAS

Excellent for pot culture or planting in lawn beds and borders. They should be grown more extensively than they now are, for they require very little attention and are in flower, outside, from early summer until heavy frosts; inside, potted, they are a constant and prolific bloomer. They will thrive either in full sunshine or in shade, but when fully exposed to the sun the beds must be well watered in hot weather.

**CULTURE.**—Before planting keep the bulbs in a moist, warm place to start them, so that you can tell which is the top. Plant a foot apart in beds or 1 bulb to a 4-inch pot inside, cover about 1 inch.

**DOUBLE FLOWERED.**—Separate colors in pink, scarlet, orange, yellow or mixed. Each 35c; doz. \$3.00.

**GIANT SINGLE FLOWERED** in separate colors of pink, scarlet, orange, yellow or mixed. Each 30c; doz. \$2.75.

**DOUBLE AND SINGLE CRISPA.**—These are like above except that the flowers are beautifully fluted, ruffled and crested. Very interesting and novel. Always cause comment. Mixed only. Each 40c; doz. \$3.50.

## CANNAS

Everyone knows the value and beauty of Cannas for bedding. Their large, massive, tropical-looking leaves and magnificent flowers cannot be equaled in any other plant of such easy culture. Plant outside after danger of frosts is past, 18 inches apart, in rich, deeply dug, well-prepared bed (12 plants required for a 6-foot circular bed). Plant the taller kinds in the center.

**PRICE OF STRONG ROOTS.**—Your choice following kinds: Each 25c, doz. \$2.50, postpaid. Plants in season—see below.

City of Portland.—Flower rich pink, foliage green.  
David Harum.—Orange-scarlet, foliage bronze.  
Duke of Marlboro.—Crimson-scarlet, dark green foliage.  
Egandale.—Currant-red flowers, foliage bronze.  
Firebird.—Brilliant scarlet, large; foliage green.  
Gaiety.—Rich reddish-orange, edged yellow.  
Gladiator.—Golden yellow, spotted with scarlet.  
Gustave Grimper.—Golden yellow, blotched vermillion.  
King Humbert.—Orange-scarlet, bronzey-green foliage. Best and most popular variety.  
Louisiana.—Vivid scarlet, foliage green.  
Rosa Gigantia.—Rich dark pink, large spikes.

**NOTE.**—Should we run short of any named variety we will substitute another of same quality and appearance unless otherwise ordered.



Canna Plant in Bloom

**PLANTS IN SEASON AT OUR STORE**—(after danger of frost). Plants give quicker and better results than dormant roots. Potted plants by express, 35c each, \$3.50 doz.

# ROUTLEDGE SEED AND FLORAL CO'S

## NEW AND POPULAR DAHLIAS



We have probably grown and tested out more varieties of Dahlias than any other company in the Northwest, and have come to the conclusion that it is only confusing and needless to offer hundreds of varieties. So many are almost the same; many are very inferior. We believe the varieties on this and the following pages will please the most critical. All are priced very reasonable and are postpaid. Field-grown roots only.

**DELIVERY.**—We generally hold all early orders for Dahlia Bulbs until about March 1. Planting season is from April to July 1.

### PAEONY FLOWERED DAHLIAS

One of the most popular classes of Dahlias. The form and style of the flowers vary greatly; some have flat, rounded petals, others are pointed and twisted in most fantastic style. All are beautiful and produced in profusion of flowers on long, slender stems; fine for cutting.

**Autumn.**—Brilliant fiery red of large size. Make a dazzling display. Each 25c

**City of Portland.**—One of the best novelties ever introduced. Color is a clear deep yellow and the immense flowers are gracefully held upright on long stems. Every dahlia grower should have this variety. Each 75c

**Elizabeth Boston.**—New. Giant blooms of deep crimson shading to old gold at tips. Extra long, strong stems. Decidedly one of the largest and best Dahlias of recent introduction. Each \$1.00

**Freda Newman.**—Bright orange with bronze shading into old gold at the edges. Long stems. Constant bloomer. Each 25c

**Geisha.**—Very popular, has no rival for gorgeous coloring with its blending of orange red and yellow. (See cut.) Each 50c

**Geo. H. Mastick.**—Large full flowers, of many wavy petals on extra strong stems. Color is a rich maroon changing to deep crimson. Each 50c

**Hi Gill.**—Gold Medal variety, rich golden yellow. Reverse of petals orange-red. Handsome large flowers on long strong stems. Each 35c

**James Gill.**—Artistic flowers of giant size and of a bright rich golden orange color. Fine for cutting and blooms all season. Each 50c

**Lady Alla.**—Bright scarlet. Long strong stems, carrying flowers well above foliage. Large fragrant flowers; always attract attention. Each 50c

**Lieut. Oreville A. Stevens.**—New. A distinct shade of light orange-scarlet; blooms large on good stems. Excellent for cutting. Each 25c

**Mrs. Jessie Seal.**—One of the best of recent California introductions. Flowers of largest size and of a beautiful shade of salmon pink, suffused with gold. Each 75c

**Mad. Von Bystein.**—Pure lilac-lavender; fine form and good stems. Each 25c

**Naiad.**—An exquisitely tinted cream-pink; extra long stems and large flowers. Very beautiful; fine for cutting. Each 35c

**Oregon Sunset.**—New. Golden yellow, heavily suffused and dusted orange-crimson, free bloomer; excellent stems for cutting. Each 75c

**Pacific Glow.**—Giant blooms of a beautiful salmon pink. Extra fine. Each 75c

**Pride of Portland.**—A new Giant Paeony Dahlia, similar to Geisha but the yellow is brighter, the red richer, flowers are more double and larger. A wonder color and style. Each 75c

**Van Dyke.**—One of the most popular sorts. Flowers are borne on extra long swaying stems. Color is a rich shade of salmon pink. Each 25c

**Wadawanock.**—Bright coral red, broad wavy petals, early and very free bloomer. Each 25c

Each variety above selected for perfection of flower, freedom of bloom and long, strong stems. They will please you.

## DAHLIAS — Continued

### CHOICE NEW CACTUS DAHLIAS

Of the various types of Dahlias those of the well-known Cactus form are undoubtedly the most important and best liked. There is a great diversity in the forms of the various sorts, but in the main they are characterized by the long, narrow pointed petals, twisted and incurving, others straight like the illustration.

In the following list we offer only sorts of special merit, the most perfect in form of flower, profusion of bloom and with upright stems that show the flowers above the foliage, all of which makes them the most desirable for cutting or garden display.

**Border King.**—Deep rich, glowing scarlet; large flowers. incurved petals; held erect on long, stiff stems. Each 75c

**Chas. Sherbrooke.**—A very beautiful and unusual color, rich scarlet, with reverse of petals old gold. Each 35c

**Constance.**—Large, creamy yellow, suffused rosy pink. Each 25c

**Claremont.**—New. (H. C.) An exquisite soft pink, shaded cream, beautiful, curly petals, long stems. Each \$1.00

**F. W. Fellows.**—Very large flowers freely produced on long stems. Pure orange scarlet. Very fine. Each 50c

**General Roslie Jones.**—A majestic flower of perfect form, beautiful lemon yellow; fine cut flower. Each 35c

**Glory of Wiltz.**—A good yellow, especially fine for cut flowers. Very profuse bloomer. Each 25c

**Helen Durnbaugh.**—(H. C.) Delicate blush, deepening toward the center to an intense, glowing tint of soft, rosy pink. Extra large flowers, excellent stems. Fine for cutting. Each 50c

**Johanasburg.**—Bright gold, suffused with a glowing golden sheen, which is very distinct in sunlight. Each 30c

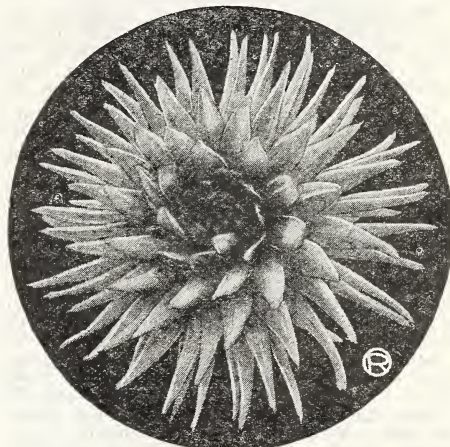
**Kalif.**—Wonderfully large and beautiful, of purest scarlet, long and strong stem. Free bloomer. Extra fine. Each 50c

**La Favorite.**—(H. C.) New variety. Color a beautiful brilliant salmon, shading from dark reddish-salmon in the center to salmon-pink at the twisted tips; extra long stems. Fine cut flower. Each 75c

**Magnificent.**—New. Immense size, flowers often 8 inches across; color a beautiful Oriental buff; overlaid with satiny rose-salmon; fine stem; very free bloomer. Each 50c

**Mrs. Edna Spencer.**—Lavender shading to white center, very large flowers of beautiful form on extra fine stems. Fine for cutting. Each 50c

**Mrs. Douglas Fleming.**—Fine white mirrored petals, constant bloomer, good cut flower. Each 50c



Cactus Type.

**Mrs. Freeman Thomas.**—A beautiful salmon-pink; early and free-flowering. Fine for cutting. Each 25c

**Phenomenal.**—Long narrow twisted petals making the flower look like a huge chrysanthemum. Beautiful shade of pale salmon and yellow. Each 50c

**Pres. de Apiancourt.**—Large rich deep pink, free bloomer. Each 30c

**Prima Donna.**—(H. C.) Exquisite, cream flushed with delicate pink. Large and very beautiful. Each 50c

**Record.**—Rich orange red, shading to yellow center; very free bloomer. Showy and attractive. Each 25c

**Rhienscher Froschsin.**—Large incurved petals, creamy white base passing to a carmine cerise tip. Beautiful. Each 50c

**Tustu.**—Pretty velvety maroon; very free-blooming. Excellent stems. Each 25c

**Tom Lundy.**—Beautiful, rich, velvety red. Handsome, giant flowers on long stems. Each 50c

**Washington City.**—(H. C.) Giant star-like flower of purest white, long, showy stems. Each 35c

### Dahlia Specials — Choice Varieties Unnamed

We offer for those that do not care for the names three classes—CACTUS, DECORATIVE and PAEONY Dahlias—in separate colors, at very low prices. These lots are made up of surplus stock and small lots of not sufficient quantities to catalog, but the mixture is of only choice sorts, many new, high priced.

**PRICES:** Your choice of class and color in CACTUS, PAEONY, DECORATIVE and SHOW varieties in shades of white, pink, red or yellow and orange, labeled by class and color only, at 20c each, \$2.00 dozen. MIXED, ALL COLORS and varieties, 15c each, \$1.50 dozen.

**NOTE.**—When planting, remove the label and fasten it to a small stake to mark the location of the bulb and keep the name for later reference.

## DECORATIVE DAHLIAS

In this class of Dahlias will be found those sorts which florists and gardeners prize most highly for cut flowers. These Dahlias are characterized by their strong, erect growth and their large, well formed, handsome flowers on strong, stiff stems far above the foliage.

**Challenge.**—Large, distinctly colored; yellow at base; deep garnet-crimson tips; free bloomer. Each 25c

**Dream.**—Peach-pink with an amber glow; extra fine cut flower. Each 25c

**Dorothy Wooten.**—A beautiful rose-pink; massive blooms are borne gracefully on stems three feet long. Each 50c

**Freckles.**—Sunflower yellow, streaked and penciled with crimson; early and profuse bloomer. Each 50c

**H. G. Newman.**—Deep cherry red, with petals deeply lacerated at points. Each 25c

**Geo. Walters.**—Extra large flowers, salmon rose; long, strong stems. Each 75c

**Jack London.**—New. Giant blooms on long, stout stems; very free bloomer. Dazzling scarlet deepening in the center. Each 75c

**King Albert.**—Giant violet purple flowers of the richest shade, carried on rigid stems far above foliage. Each 75c

**Leo XIII.**—Bright yellow, extra large; early and a free bloomer. Each 35c

**Marcella Gill.**—The best rich pink. Free bloomer on extra long stems. Very perfectly formed. Each 35c

**Mina Burgle.**—A glowing deep scarlet; large size; a favorite; florist's variety for cut flowers. Each 25c

**Mrs. Carl Salback.**—New. Immense lavender-pink blossoms on exceptionally long, strong stems. Awarded certificate of merit. Each 75c

**Nevada.**—Large, pure white flowers, on extra fine stems, excellent cut flower. Each 35c



Decorative Type.

**Pride of California.**—A huge crimson red, shading darker to the center; very large blooms, carried on extra long, strong stems. Each 50c

**Polar Star.**—The purest white; long, narrow-rolled petals; large flowers on extra long stems; very early and free bloomer; one of the best. Each 50c

**The Grizzly.**—Has created a big sensation every year since it was introduced. The dark red flowers of immense size are often carried on stems two feet long. Reflexed petals. Heavy bloomer. Each 75c

## SHOW OR QUILLED DAHLIAS

In this section we have the Dahlias of our grandmother's garden, but of improved form and size, with richly colored flowers of rounded form and quilled petals. Excellent for cutting.

**Bertha Bernstein.**—A beautiful, large lavender; best in lavenders. Each 25c

**Dr. I. B. Perkins.**—Pure snow white, extra fine stems; excellent cut flowers. Each 25c

**D. M. Moore.**—Immense size, rich maroon; very dark and rich. Each 25c

**Else Burgess.**—Large white, tipped and suffused pure lavender. Each 30c

**Helen Hollis.**—Flowers, deep scarlet; very large; one of the best. Each 25c

**John Tozer.**—New. A large, well-formed flower of rich violet. Each 25c

**Tillamook.**—A splendid pink shading to rose. Large quilled flower. Each 25c

**W. W. Rawson.**—White overlaid with lavender blush; large flowers. (See cut.) Each 30c



W. W. Rawson (Show Dahlia).

## POMPON DAHLIAS

A compact growing class of Dahlias thriving with ordinary cultivation and producing with great freedom, small perfectly double flowers of neat rounded form, upon long wiry stems. These Dahlias have become very popular with people who buy cut flowers in our store. They lend themselves to any kind of floral decoration and last remarkably well after being cut.

**PRICES:** Your choice 25c. Full collection, 6 choice colors, \$1.25, postpaid.

**Amber Queen.**—Golden amber, shaded apricot.

**Adrienne.**—Scarlet, slightly tipped yellow.

**Alex.**—Light cerise, faintly tipped silver.

**Darkest of All.**—Dark maroon, almost black.

**Geo. Brickman.**—Pure white, a little beauty.

**Golden Queen.**—A beautiful bright yellow.

**PLANT DAHLIAS IN AN OPEN, SUNNY LOCATION AS THEY DO NOT FLOWER FREELY IN THE SHADE.**

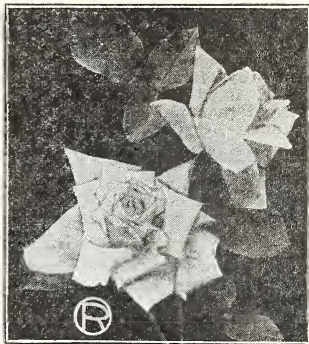
## Choice Rose Plants

For Spring and Early Summer Planting Only  
and NOT for Fall Delivery

On this page we are offering four choice collections. This is the popular mail-order size that we send by mail prepaid. They are grown in 3-inch pots, are strong, healthy and well rooted and from 10 to 12 inches high. To be planted outside in the warm spring or early summer months.

These will produce many blossoms the first season, and you will be surprised at the results you can obtain, and at quite a saving in prices. Water well and use "C. M." and "Wonder."

NOTE.—Order any time convenient and we will forward "in season," April to July. NO ORDER FILLED FOR LESS THAN TWO PLANTS.



### Butterfly Collection of New Roses

Price, 35c each; set of 6 sorts, \$1.75

**Edel.**—Immense snowy-white flower of great beauty. Regarded as one of the finest white varieties.

**Golden Ophelia.**—Medium sized, beautifully formed buds of bright golden yellow. Strong growing and very free. Fine cut flower.

**Mrs. Henry Morse.**—Bright rose-pink washed and veined vermillion. Superb for exhibition and a gem for bedding and cut flowers.

**Premier.**—Deep rose-pink of brilliant hue.

Very large, well formed flowers on stout canes. One of the most popular varieties of the day.

**Madame Butterfly.**—A beautiful mingling of pink, apricot and gold. Wonderfully free in growth and bloom. Beautifully formed buds. Fine cut flower.

**Templar.**—Rich bright red with crimson suffusions. Fine, well-formed flowers, sweetly fragrant. Splendid upright growth and very free.

### Ophelia Collection of Choice Roses

Price, 30c each; set of 10 sorts, \$2.50, postpaid.

**Columbia.**—Elegant shaped buds and flowers of a rich rose-pink color. Is making a fine record about Portland.

**General McArthur.**—Grand crimson scarlet. One of the finest.

**Hoosier Beauty.**—Glowing crimson-scarlet with maroon shadings; beautiful buds on long stems; wonderfully free in bloom. A valuable new American rose.

**J. B. Clark.**—Rich crimson shaded maroon; very large and fine.

**Killarney.**—Deep shell pink, beautiful long buds.

**Lady Hillington.**—Deep apricot yellow, long pointed bud, a fine forcing or garden rose, excellent for cutting.

**Mad. Abel Chatenay.**—Salmon pink, shaded darker. Always in bloom.

**Mad. Caroline Testout.**—The famous Portland rose; large, bold, bright pink flowers.

**Ophelia.**—Salmon flesh, shaded rose, base of petals apricot yellow; fine shaped flowers; excellent habit.

**White Killarney.**—Most beautiful ever-blooming white rose in existence.

### Standard Collection of Everblooming Roses

Price, 30c each; set of 12 sorts, \$2.50, postpaid

**Gruss au Teplitz.**—Fiery crimson with dark velvety sheen. Medium sized flowers in great profusion. A mass of color all season through.

**Hadley.**—One of the best crimson roses yet produced. A true everbloomer.

**Kaiserine Augusta Victoria.**—Large, pure-white; very fine and constant.

**Lady Ashtown.**—Silvery pink, shaded yellow; fine, large bloom.

**La France.**—Silvery pink, large and very sweet-scented.

**Maman Cochet.**—Beautiful rosy pink; long pointed buds.

**Mrs. A. R. Waddell.**—Long pointed buds of rich apricot color. Fine grower.

**Papa Gontier.**—Cherry red, shaded yellow. Grand bedder.

**White Maman Cochet.**—Pure white; elegant buds.

**Winnie Davis.**—Rose-pink with silver shadings. Fine formed buds. Rank growing.

### Glory Collection of Hardy Roses

Price, 30c each; set of 12 sorts, \$3.00, postpaid

**Anna de Diesbach.**—Beautiful clear carmine pink.

**Baron de Bonstettin.**—Dark, rich red; very large.

**Captain Haywards.**—Rich ruby red. Immense bloom on stout canes.

**Clio.**—Massive, light-pink flowers.

**Conrad F. Meyer.**—Beautiful silvery pink.

**General Jacqueminot.**—Bright crimson.

**Hugh Dickson.**—Rich bright red. Large, handsome flowers, stout stems.

**Frau Karl Druschki.**—Immense pure white blooms, very hardy.

**Mrs. John Laing.**—Soft, delicate pink; free flowering.

**Paul Neyron.**—Large, deep rose; double and handsome.

**Prince Camille de Rohan.**—The best dark maroon.

**Ulrich Brunner.**—Rich, glowing crimson; large.

RAMBLER OR CLIMBERS, 1 YEAR OLD, ONE-HALF 2-YEAR-OLD PRICES. See PAGE 100

PLEASE REMEMBER we cannot afford to pack and wrap a single Rose Plant; no order filled for less than two plants on this page unless you order other plants.

## CHOICE OREGON - GROWN ROSE BUSHES

We make a specialty of Rose Bushes and sell thousands upon thousands. Our bushes are strong, healthy, field-grown stock, well rooted, and will produce a profusion of bloom the first season, if given good care and cultivation. We enjoy the reputation of supplying the best stock at reasonable prices. The following list is the choicest of American and European introductions. All Oregon-grown; worth double Eastern or California.

### FOR YOUR CONVENIENCE—CLASSIFICATION UNDER COLORS

This year we have arranged our Roses all under their predominating color, which appeals to us as the most convenient way. While the descriptions are necessarily short on account of limited space, you will get class (read abbreviations below), color and main points of merit.

### SHIPPING AND DELIVERY

We can fill orders for our large 2-year-old Rose Bushes any time from October to May—around Portland the best planting time is during favorable weather from November to April, the earlier the better.

BY EXPRESS—We ship all 2-year-old Rose Bushes by express, unless otherwise instructed.

IF WANTED BY PARCEL POST.—By request we will wrap, pack and mail Rose Bushes for 10c each, 75c doz., extra. DON'T FORGET THE EXTRA FOR POSTAGE AND PACKING WHEN WANTED BY MAIL.

**QUESTION?** If we are sold out and unable to supply variety ordered, shall we substitute one of equal value and color correctly labeled or send short and refund?

### ABBREVIATIONS

**T.—TEA**—One of the best classes of Roses and truly ever blooming. They are hardy in this section, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

**H. T.—HYBRID TEA**—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, stronger growers.

**H. P.—HYBRID PERPETUAL**—The hardiest of all roses, vigorous in growth, free blooming.

### WHITE—CREAM

**British Queen (H. T.)**—Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting.

Each 75c

**Florence Forester (H. T.)**—Clear snow-white, with a lemon tinge. Perfect habit: very sweetly perfumed. Gold medal. Each \$1.00

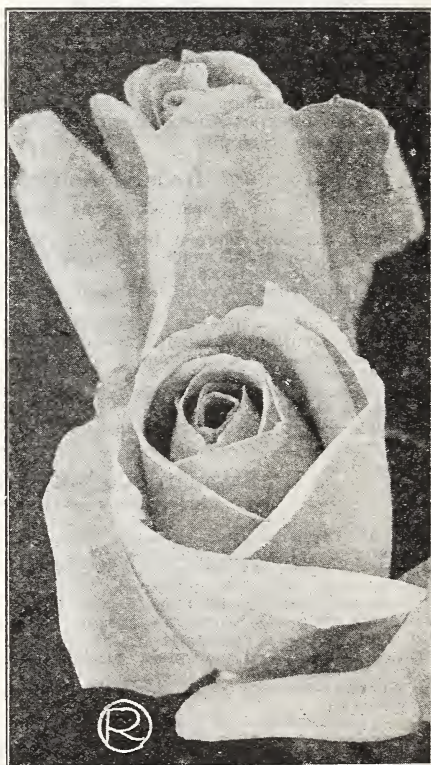
**Florence Pemberton.**—Large, full flowers, beautifully formed; creamy-white, suffused pink, particularly at center. Each 75c

**Frau Carl Druschki (H. P.)**—A large, grand, hardy, pure white; best and most popular. Each 60c

**Kaiserine Augusta Victoria (H. T.)**—A strong, vigorous grower, producing buds and flowers of enormous size; color, pure white. A very popular variety. Each 75c

**Mrs. Charles Lamplough**—Soft lemon yellow shaded to cream. Enormous flowers of wonderful substance. A splendid new Irish rose. Each \$1.25

**White Maman Cochet**—Has all the good qualities of Maman Cochet, but pure white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming roses for bedding, flowering all season long and until late in the fall. Each 75c



Florence Forester

Crescent City, Calif., April 4, 1925.

Routledge Seed & Floral Co.

Gentlemen: The plants you sent me were received in fine condition, for which I thank you. And now I am sending you another small order.

Respectfully yours,

AGNES F. ROSSIN.

Make your Rose Bushes grow and bloom profusely by applying a liberal amount of "H. Q.," Sheep and "Marvel". See pages 38 and 39.

## ROSES — Continued

PLEASE NOTE.—Should we be sold out and unable to obtain the varieties of Roses ordered, others of a similar color and type and CORRECTLY LABELED will be substituted, UNLESS OTHERWISE ORDERED.

### YELLOW ROSES

**Constance**—Buds long and pointed, of a rich orange-yellow color distinctly streaked and splashed with crimson near base of petals, passing to large, full flowers of bright cadmium-yellow. Very free in bloom. A glorified Rayon d'Or. Each \$1.00

**Duchess of Wellington (H. T.)**—Intense rich saffron-yellow; very large and of fine form; beautiful in bud as well as open flower. One of the finest offerings of recent years. Each 75c

**Golden Ophelia (H. T.)**—Rich golden yellow flowers in greatest freedom on stout wiry stems clothed with glossy dark green foliage. Although not so large as some, the buds are the most beautifully formed of any sort in the entire family of roses. Especially well adapted for cutting and personal adornment. Each \$1.00

**Imperial Potentate (H. T.)**—A new rose of sterling merit. Strong, vigorous, healthy grower. Beautiful buds opening into a well formed, solid and lasting flower of a rich rosy carmine. Sweetly scented. A winner of many prizes. Each \$1.50

**Lady Hillingsdon (H. T.)**—Deep apricot yellow, long pointed bud. Each 75c

**Mrs. Aaron Ward (H. T.)**—Deep golden-orange, shading out to creamy-yellow at edge of petals. Beautiful deep buds. A delightful variety. Each \$1.00

**Mad. Ravary (H. T.)**—Clear orange-yellow; long, pointed buds; flowers of fine form. Each 75c

**Miss Lolita Armour.**—A magnificent new rose of a rich chrome yellow, shaded to copery orange. Flowers are very large, of finest form, on stout canes. A prize winner. Each \$1.25

### PINK ROSES

**Anna de Diesbach (H. P.)**—Brilliant pink, shaded silvery white; long-pointed buds and large, finely-formed flowers; immense shell-like petals. Each 60c

**Columbia (H. T.)**—This beautiful Rose is of strong, vigorous habit of growth and exceptionally free-blooming. The flowers, which are of good size, are perfect in form, both in bud as well as when fully expanded. In color it is a most pleasing shade of rose-pink and delightfully fragrant. Each \$1.00

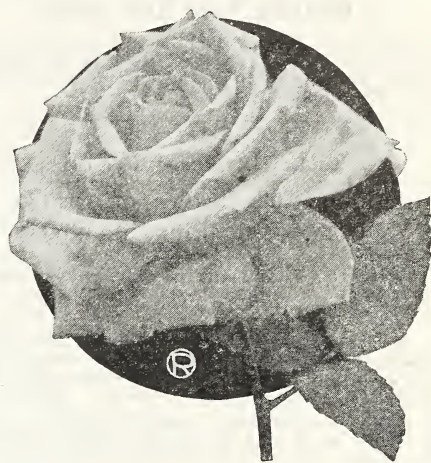
**Conrad F. Meyer.**—Very hardy, free bloomer. A beautiful pure, silvery-pink. Fragrant. Each 75c

**George Arends or Pink Frau Karl Druschki**—A beautiful pink variety; different in color from any other rose; a free bloomer and one of the best. Each 75c

**Lady Alice Stanley (H. T.)**—Beautiful long, pointed buds; large, well-formed flowers, of a delicate flesh-pink, outside of petals deep, coral-rose. A gold medal variety. Each 75c

**Los Angeles**—Described by the originator as "a flame pink, toned with coral and shaded gold at base of petals." Buds long, pointed and lasting flowers. Each \$1.00

**Lady Ashtown (H. T.)**—One of the finest pinks of a rich, deep, silvery tone; flowers large. Each 75c



### Don't Forget Postage

If rose bushes are ordered sent by parcel post send 10c extra, 75c per dozen, for packing and postage, otherwise we'll send by express, collect.

**Mrs. J. C. Ainsworth (H. T.)**—New. Strong, vigorous grower. Large, well-shaped buds and fine, full double, delightfully scented flowers which are freely and continuously produced. Color of the buds on first opening are a beautiful peach-blossom pink, the flowers as they develop change to a lovely crimson-pink at the centre. Each \$1.50

**Mrs. Charles Russell.**—Strong, rank growth, canes stout and thornless, clothed with handsome dark-green foliage. Flowers very large and massive. Form globular and very full. Remarkable for its fine lasting qualities either on or off the plant. Color bright rich cerise, shaded to scarlet at center. A continuous bloomer all season through. Each 75c

**Madame Caroline Testout (H. T.)**—Portland's famous brilliant pink rose. Each 60c

**Maman Cochet (T.)**—One of the finest Tea Roses. Magnificent buds opening into flowers of grand size and build; very lasting and of sweet tea scent. Color, deep rosy pink, inner side of petals shaded silvery rose. Each 75c

**Mrs. John Laing (H. P.)**—Very free flowering, all season. Color soft, delicate pink, with a satiny tinge. Each 60c

**Paul Neyron (H. P.)**—Deep, shining rose, double and handsomely formed; blooms freely, and is unusually strong and vigorous; the largest variety in existence. Each 60c

**Willomere (H. T.)**—An improvement upon his famous Lyon Rose, being more vigorous in growth and free in bloom. Buds coral red, suffused with carmine, opening into a large, full flower of a rich shrimp-pink, shaded to yellow at the center. Very rich and striking variety. Each \$1.00

## BE SUCCESSFUL

Prune your rose bushes when planting—don't leave over 8 to 12 inches of top growth. Try it; you'll get better results.

**PLEASE NOTE.**—Should we be sold out and unable to obtain some certain varieties of Roses ordered, others similar in color and type and **CORRECTLY LABELED** will be substituted, **UNLESS OTHERWISE ORDERED.**

## Fertilize Your Rose Beds

The most beautiful roses are produced by care, cultivation and fertilizer. H. Q. (weed free) ground sheep manure and bone flour will do wonders. See pages 38-39.

## TRICOLORED ROSES

### Combination Shades of Orange, Gold, Red, Pink, Yellow

**Betty (H. T.)**—Beautiful coppery-rose color, overspread with golden-yellow; fragrant. Each 75c

**Gorgeous (H. T.)**—Flowers large and full, freely produced on stiff, erect stems; color deep orange yellow, flushed copper yellow, and veined with reddish copper. Each 75c

**Edith Part**—Another grand exhibition rose as well as an ideal garden variety. Free branching growth with well built up flowers of great substance. Color, rich red suffused with deep salmon and coppery yellow. Perfectly shaped flowers. Each \$1.00

**Irish Elegance**—Bronze orange in the bud, opening into large single flowers of a lighter shade. Vigorous growing and perpetual blooming. Each 75c

**Independence Day**—Sunflower gold smeared and stained coppery bronze and orange. Finely formed, fragrant and very free. One of the outstanding new sorts. Gold Medal N. R. S. Each \$1.50

**Joseph Hill (H. T.)**—Salmon pink, shaded with yellow, outer petals tinted coppery pink, long bud; very large, full flowers. Each 75c

**Juliet.**—Flowers beautifully formed, with petals of fine shape and substance. The color is a bright orange-red on the inside of petals, while the reverse side is of a rich old-gold color. A novel combination of colors and very handsome and showy. Each 75c

**Louise Catherine Breslau (H. T.)**—Coral red, shaded chrome yellow, opening to a flower of shrimp-pink, shaded coppery-orange. Each 75c

**Madame Edouard Herriot (T.)**—Long, pointed buds, a deep coral red color, shaded to yellow at the base; flower of a rare shade of rosy scarlet, flushed with shrimp and apricot tints. Excellent. Each 75c

**Madame Melanie Souper.**—A superb fancy, everblooming rose, of strong, vigorous growth and free branching habit. Color golden yellow shaded to orange yellow at base of petals, the whole beautifully flushed with orange-pink. Fine, long, pointed buds of elegant outline, opening into a very large, fluffy flower of great beauty. Each 75c

**Mrs. Dunlap Best**—A wonderfully strong growing and free blooming new rose from England which we regard as one of the very finest sorts. Color deep reddish apricot shaded to golden yellow at base of petals. Leathery bronze colored foliage clothes the long stout canes. A splendid garden and decorative rose. Each \$1.00



## Don't Forget Postage

10c extra, 75c per doz. extra for packing and postage on Rose Bushes

**Mademoiselle Cecile Brünner** (Dwarf Polyanthus)—Exquisite little roses, buds dainty, painted, bright salmon pink, yellow center. Each 75c

**Madame Butterfly**—A sport from the popular new rose Ophelia, which may be said to be a glorified form of that fine variety. In this new sort all the colors are intensified, making it a rich harmony of bright pink, apricot and gold. The unopened buds are especially distinct with their lovely shades of Indian red passing to golden yellow at their base. This fine new rose is a rank grower, producing a wealth of foliage and bloom throughout the season. It is being planted by florists more largely than any other sort because of the demands for its beautifully shaded buds and richly colored flowers. Each \$1.00

**Margaret Dickson Hamill**—Delicate straw color, its shell-like petals flushed at the edges on the reverse side with delicate carmine-rose. Strong in growth, free blooming and exquisitely fragrant. Bronzy green foliage on deep crimson leaf-stalks. Very distinct and a gem among new roses. Each \$1.00

**Ophelia (H. T.)**—The most popular cut flower variety today. Buds orange salmon, opening to a perfect full flower of dainty salmon pink and cream; elegant shape, fine foliage; superb. Each 75c

**William F. Dreer**—Soft shell pink, base of petals rich golden yellow. Sometimes the entire flower is covered with a golden suffusion. This rose has the same parentage as the well known Los Angeles and like that sort is beautiful in all stages of development from the opening buds to the well expanded flowers. We are quite sure that all who try this variety will be pleased with it. Each \$1.00

**Souvenir de Georges Pernet**—Oriental red, tips of petals touched with cochineal. Entire flower faintly shaded with yellow. Flowers very large and full on strong stout stems. Extremely hardy. One of Pernet Duchere's finest productions. Gold Medal Bagatelle Gardens, Paris. Each \$1.50

## ROSES — Continued

All 2-year-old rose bushes by express, unless otherwise ordered. Read about shipping, top of page 95, and inside front cover. Remember, 10c extra, 75c Doz., packing and postage

### RED, SCARLET AND CRIMSON

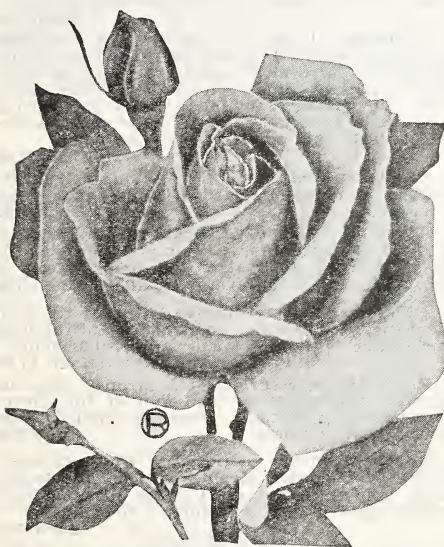
**Chateau de Clos Vougeot (H. T.)**—A very rich, fiery scarlet shading to deep velvety crimson. It is delightfully fragrant, a prolific and continuous bloomer. Each 75c

**Captain Hayward (H. P.)**—This is probably the grandest of all red Hybrid Perpetuals. The bloom is of the largest size. Color deep glowing red, flushed with crimson. A free bloomer; deliciously perfumed. Each 60c

**Edward Mawley (H. T.)**—Of grand size and build and a free, continuous bloomer. Color intense crimson scarlet and of velvety texture. Each 75c

**General McArthur (H. T.)**—A grand crimson scarlet. Elegant long buds and the flowers are large, double, of fine form; very fragrant. Each 75c

**George Dickson (H. T.)**—Very large, full and perfectly formed flowers freely produced. Color, blackish crimson of velvety texture, reverse of petals heavily veined with crimson maroon. A magnificent rose, in-crimson maroon. A magnificent rose, valuable for exhibition. Each 75c



Hoosier Beauty

**H. V. Machin (H. T.)**—A splendid new exhibition rose in great demand by exhibitors at the English rose shows where it has made a name for itself because of its grand scarlet crimson flowers of such wonderful size and form. The buds are long and pointed, unusual in a red rose. The foliage is ideal. The flowers are rigid stems of erect growth. We can recommend this as being one of the most beautiful of all red roses. Each \$1.00

**Glorie de Chedane Guinoisseau (H. P.)**—Brilliant vermillion red, shaded deep velvety red. Very large and full. Of beautiful form. One of the coming red roses having all the requisites of a fine bedding rose. Each 75c

**Gruss an Teplitz (H. T.)**—This is a rose for everybody, succeeding under the most ordinary conditions. Rich scarlet, shading to crimson; fragrant; a free, strong grower and in bloom all the time. Each 75c

**Hadley (H. T.)**—Color beautiful rich, bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses. Each 75c

**Hoosier Beauty (H. T.)**—A grand new hybrid tea rose of American origin. Flowers dark crimson, shaded with maroon and veined with black; petals of remarkable substance—like so much crimson velvet; buds beautifully formed, with fine, pointed shape, opening into large, double flower. Each 75c

**Hugh Dickson (H. P.)**—This superb Irish Rose stands in the front rank as a producer of the very finest brilliant crimson-scarlet roses. Of strong, vigorous growth and free-flowering habits, one of our most favorite varieties. Each 60c

**Mrs. Edward Powell (H. T.)**—Rich crimson scarlet flushed with maroon. One of the finest garden and exhibition roses that have come to our notice. Very free and sweetly scented. Each \$1.00

**Prince Camille de Rohan.**—Very dark rich velvety crimson, passing to intense maroon, shaded black. One of the darkest roses and very handsome. Regarded as the best of its color. Each 60c

**Ulrich Brunner (H. P.)**—Extra large bold flowers, full and globular; color, rich glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer. Each 60c

### Other Varieties

If you wish some rose we do not list, write us for price. We can supply many other varieties.

## BABY OR DWARF POLYANTHA ROSES

A type of roses which grow only a foot or two high, bear large clustres of flowers possessing great lasting qualities, and are always in bloom. They are fine for massing in beds, for bordering large rose beds or planted singly on the lawn. Perfectly hardy.

Your choice of the following, each 75c; doz. \$7.50

**BABY RAMBLER (Dwarf-bush type)**—Not over 18 inches high, producing large trusses of light crimson flowers; clean, dark-green foliage.

**MRS. W. CUTBUSH**—Clusters of pretty double, bright pink flowers, freely produced in panicles; always in bloom.

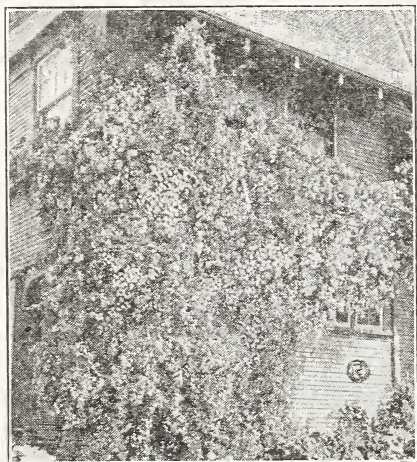
**BABY DOLL**—(Tip Top) Clusters of golden yellow flowers tipped with cerise. An absolutely new combination of color in this class of roses. Beautiful for cutting.

**BABY TAUSENDSCHON**—Pale pink flowers, becoming reflexed with carmine-rose; very beautiful.

**SHOULD BUSHES ARRIVE VERY DRY**, bury tops and all in damp ground or immerse in a tub of water for a few days. It will benefit them very much.

## BEAUTIFUL CLIMBING ROSES

### CHOICE POPULAR VARIETIES



**Dorothy Perkins, 30 ft. High, Thousands of Blooms. A Popular Variety**

### CLIMBING OR PILLAR ROSES

The following climbing Roses all grow vigorously, and are profuse bloomers and very hardy anywhere. The flowers are borne in large clusters.

Your Choice following—60c each, if not otherwise marked:

**Crimson Rambler**—This grand rose is well known and very popular; of rapid growth.

**Dorothy Perkins**—(See illustration.) Flowers in immense cluster, beautiful shell pink.

**Dr. Van Fleet**—Flowers large with high built center and petals beautifully undulated and cupped. Beautiful shade of shell pink. Handsome bronze green foliage. A rank climber, immune from mildew. **Each 75c**

**Hiawatha**—A beautiful single flowered variety, with flowers about 1½ inches across. Color brilliant ruby-red with a clear white eye and prominent yellow anthers.

**Tausendschon (Thousand Beauties)**—Entirely distinct. Large single flowers fully 3 inches across; a delightful shade of soft pink, shaded carmine and produced in trusses of from 10 to 15 flowers. **Each 75c**

**American Pillar**—Flowers saucer-shaped, three to four inches across and very lasting. They hang in immense clusters all along the branches, and make a remarkable sight, a veritable sheet of bloom. Color, clear bright, rosy pink.

**Paul's Scarlet Climber**—A wonderful new hardy climbing rose. The flowers are semi-double and produced in clusters, the plant being literally covered with brilliant vivid scarlet flowers from top to bottom. It is of strong climbing habit. **Each 1.00**

The lavish profusion of bloom on Climbing Roses, literally hundreds of flowers on each plant, their beautiful colors and exquisite fragrance render them unequalled for covering houses, arbors, pergolas, fences and boundary walls.

**American Beauty**—One of the largest, sweetest and best of all hardy roses. It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers; color, rich rosy crimson, shaded and veined in the most charming manner. **Each 75c**

**Beauty of Glazenwood**—Bronze yellow or copper and fawn color. One of the grandest pillar roses. Very hardy and free bloomer. **Each 75c**

**Climbing Cecile Brunner**—The flowers are produced in clusters and like the bush variety, are of exquisite form and color, being a rosy pink on a creamy white ground. **Each 75c**

**Climbing Hoosier Beauty**—Identical with that superb new bush variety Hoosier Beauty, except that it is a rampant climber. Handsome, rich crimson flowers shaded to pink. One of the best ever-blooming climbing roses yet produced. **Each \$1.00**

**Climbing Lady Ashtown**—Large rose-pink flowers shaded to yellow at center. A continuous blooming climbing rose of the greatest merit. We recommend it most highly. **Each 75c**

**Climbing Lady Hillingdon**—A splendid climbing form of the famous yellow rose, Lady Hillingdon, the most popular rose of its color at the present time. The golden yellow flowers, the bronzy red foliage and the strong arching branches, make this the most desirable pillar and porch rose of its color. **Each \$1.00**

**Climbing Mad. Caroline Testout**—Counterpart of our famous official pink hedge rose. **Each 75c**

**Climbing Safrano**—A beautiful pillar rose, being a strong climber; color orange-yellow or deep saffron; good size, full and sweet. A favorite variety in every locality. **Each 75c**

**Climbing White Killarney**—One of the best pure white climbers producing beautiful long buds that open into lovely graceful blooms. **Each \$1.00**

**Reine Marie Henriette**—A strong, vigorous grower; flowers large, full and of fine form. Color glowing crimson, elegantly shaded. One of the best climbers. **Each 75c**

**Silver Moon**—A magnificent white climber, large, semi-double blooms of good substance, with golden stamens. Foliage is abundant, bronze-green, and is immune to mildew. **Each 75c**

**Shower of Gold**—A beautiful new climber of the Wichuriana type from the gardens of the famous English rosarian, William Paul. It is of very vigorous growth, with dense, glossy green foliage. Produces masses of golden yellow flowers in large clusters. **Each 75c**

Remember, 10c extra, 75c doz., for packing and postage

### TREE ROSES

Good stock is very scarce. Write if interested. Price \$2.50 each.

## BEAUTIFUL HARDY CLIMBING VINES



*Polygonum Auberti*

### POLYGONUM AUBERTII (Silver Lace Vine)

One of the most desirable flowering climbers we have ever grown. Of strong, vigorous, rapid growth and producing throughout the summer and fall long graceful sprays of small, white, delicate flowers. Clean, neat foliage. Perfectly hardy. The vine in the illustration made a spreading, 15-foot growth the first season and to the top of the house the next season and is cut back to eaves each fall. Always free of insects.

Each, \$1.00; Extra Strong Roots, \$1.25

### CINNAMON VINE

A beautiful vine of rapid growth, suitable for porches, trellises, etc.; pretty white flowers of cinnamon-like fragrance. Perfectly hardy. Vines die in the fall but come up rapidly early each spring.

Small roots, 20c; 3 for 50c; Large, 25c; 3 for 65c

### HONEYSUCKLE

A beautiful climber, rapid grower and very desirable. Flowers very fragrant.

Your choice. Each 60c and 75c

*Halleana*.—Very popular; almost evergreen; flowers white, passing to yellow.

*Belgica* (Monthly Fragrant).—Flowers are large; color red and yellow.

### WISTARIAS

**SINENSIS BLUE**.—A very rapid growing, hardy climber; lovely long panicles of dark blue flowers, produced in the most wonderful profusion. Strong vines. Each \$1.25

**SINENSIS ALBA**.—Like the preceding, but with beautiful white flowers in long panicles. Strong vines. Each \$1.25

### AMPHELOPSIS

**VEITCHI** (Boston Ivy).—The popular climbing plant for covering brick, stone or cement walls, etc. Clings to the smoothest surface. Foliage rich olive green during the summer, bright crimson and scarlet in the fall. Strong plants, 50c; extra strong roots, 75c.

**QUINQUIFOLIA** (Virginia Creeper, or American Ivy).—For covering trellises, arbors, etc. Its large, deep green foliage assumes brilliant shades in the fall. Strong plants, 50c; extra strong, 75c.

### ENGLISH IVY

Thick, leathery, evergreen leaves. Strong grower. Good roots, each 35c; large, 50c.

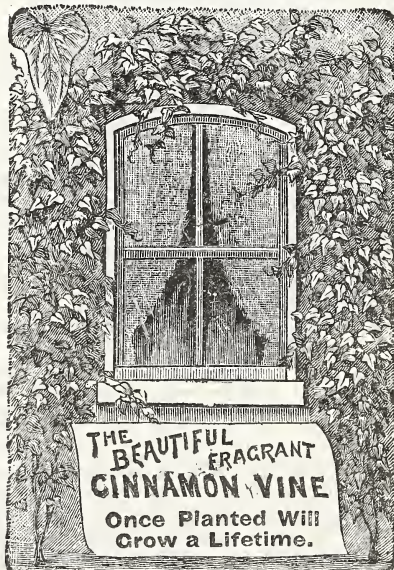
### JACKMANII CLEMATIS

Cannot supply or good healthy roots.

### CLEMATIS

**PANICULATA** (Sweet-Scented Japan).—Of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy-green foliage. The flowers are of small size, pure white, borne in profusion in September and October.

Each, choice roots, 50c; large plants, 75c



"MAKE 'EM HOP."—If you will mix a cup full of "Marvel" Fertilizer with 5 lbs. "H. Q." and work both thoroughly into the soil around your climbers, you will get wonderful growth and lovely flowers. See page 39.

# HARDY FLOWERING & ORNAMENTAL SHRUBS

NOTE—"D" following the name stands for Deciduous, "E" Evergreens.

**SHIPPING**—At the prices given we send large, well-branched bushes from 2 to 5 years old, grown in the open ground. As our shrubs are, for the most part, large and heavy, we usually send them by express or freight. By request, small sizes can be sent by parcel post, but you should ADD AT LEAST 15c TO 20c EXTRA PER SINGLE PLANT to cover packing and postage.



Deutzia—Pride of Rochester

## AZALEA (D)

**MOLLIS**.—Dwarf shrubs, covered in early spring before leaves appear with gorgeous yellow and orange colored flowers. A rare and choice shrub. Select plants each \$3.00

For CRIMSON AZALEA see page 105.

## BARBERRY

Fine for massing, banking, hedges or even as single specimens. Dainty, early flowers, showy, small leaved foliage and berries in the fall and winter make them very popular.

**THUNBERGII (D)**.—A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in autumn. Bright scarlet berries all winter. Each 60c, 75c and \$1.00

**BOXIFOLIA (E)**.—A new dwarf, small leaved evergreen shrub. Grows uniformly globe-shaped. A splendid substitute for box for borders or low hedges. Make fine plants for porch pots or boxes.

Specimen plants Each \$1.25

## BUDDLEYA (D)—Butterfly Bush

**MAGNIFICA**.—The ever-blooming Butterfly Bush, being given that name through the fact that all varieties of butterflies are attracted to it in large numbers. A fine, hardy shrub; is of fast-growing habit. Cut back half way or more every fall after frosts, mulch and fertilize, and you will have a wonderful lot of flowers. It produces long, graceful, slender branches, terminating in long spikes of "lilac-like" flowers of a beautiful lavender-blue. Commences to bloom in June and continues until frost nips the flowers. It is a fine subject for lawn planting and shrubbery groups. Flowers possess fine keeping qualities. Desirable for cutting. Choice plants, 75c each; large, 75c; extra strong roots, \$1.25 to \$2.00.

## COTONEASTER

**Simonsii (D)**.—Pretty shrub, growing about 4 feet high, having glossy green leaves which are evergreen in this locality. Pretty pink flowers in summer, followed by clusters of scarlet berries, which remain on the branches all winter. Small, 60c; large, 75c to \$1.00

**Horizontalis (E)**.—A low-growing shrub seldom exceeding 1 foot in height, but with its horizontal branches spreading over a large area in a few years. Small evergreen leaves, pinkish-white flowers, followed by bright scarlet berries which remain on the branches nearly all winter. A fine shrub for terrace or rockery. Small, 60c; large, 75c to \$1.00

**Michrophlla**.—Similar to above, but more dwarf and smaller foliage.

Small, 60c; large, 75c to \$1.00

**Franchetti (E)**.—Upright shrub of graceful, drooping habit, covered with a mass of red berries in fall and winter; very desirable.

Small, 60c; large, 75c to \$1.00

## DEUTZIAS (D)

Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers in May and June render them among the most beautiful and most popular of flowering shrubs.

Your choice, each 75c to \$1.00

**GRACILIS ROSEA**.—Dwarf growing with sprays of pretty light pink flowers late in the spring. A beautiful shrub.

**LEMOINEI**.—Flowers very large and produced in broad-based, cone-shaped heads of from 20 to 30 flowers each, of purest white, 3 to 4 feet.

**PRIDE OF ROCHESTER**.—Flowers very early, double; pure white, tinged with blush; great profusion. Grows 6 to 8 feet.

**FORSYTHIA—GOLDEN BELLS**. See next page.

## FLOWERING CURRANT (D)—Rebis

Popular early flowering shrubs that do well any place. Their bright flowers are very cheerful. Each 60c, 75c and \$1.00

**Sanguineum**.—Charming crimson flowers.

**Aureum**.—Yellow flowers; spicy odor.

## GENISTA (E) Broom

Bushy, upright, leafless evergreens. Flowers freely in early spring and summer.

**ALBA**.—Pure white. Each 50c to 75c

**ANDREANA**.—Red and yellow flowers; very pretty. Each 50c to 75c

**SCOPARIA** (Scotch Broom).—Rapid growing; yellow flowers in May. Each 50c to 75c

**SPANISH**.—Yellow flowers; elegant foliage; blooms all summer. Each \$1.00

## HAWTHORNE (D)

A hardy flowering shrub that grows to be a fair-sized tree. Beautiful, small, double flowers in clusters and handsome, shining, small, dark-green leaves.

**DOUBLE WHITE or SCARLET**.—3 ft. to 4 ft., \$1.50; extra large, \$2.00.

**Feed Your Plants**—You must supply "food," in other words, fertilizer, if you want the best results. Read about "Fertilizers," pages 38-39.

**FORSYTHIA (D)—Golden Bells**

**INTERMEDIA**—Blossoms early in spring, before the leaves appear, when it is covered with golden, bell-like flowers.

Each 75c to \$1.00

**FORTUNEI**—Upright; makes fine single specimens; golden flowers in profusion in April.

Each 75c to \$1.00

**HYDRANGEA (D)**

**HORTENSIA**—One of our most popular and showy lawn plants. Often grows in pots or tubs. Ornamental foliage and beautiful flowers in large, flat trusses. (See cut.) The beautiful pink variety is most popular, but we can supply White, Pink or Blue.

Young plants, 50c. Large plants, according to size and number of flower shoots, 75c, \$1.00, \$1.50. Large specimen plants, \$2.00 to \$3.00. (See cut.)



**Hydrangea Paniculata Grandiflora**

**H. PANICULATA GRANDIFLORA**—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year; excellent for hedges or massing; unsurpassed for the lawn; blooms in July and August, and continues in bloom for two or three months. The flowers are massive, cone-shaped, sometimes 10 inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red.

Young plants, 75c; strong plants, each \$1.00

**LILACS (D)**

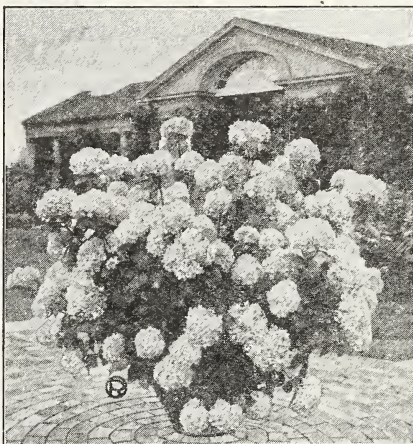
A very neat, handsome growing little tree and a great favorite for planting in yard and lawn. Blossoms early in the spring; flowers in immense clusters. Everyone loves the Lilac and no garden is complete without one or more.

**VULGARIS; SINGLE WHITE OR PURPLE.**

Each, 3 to 4 ft., 75c to \$1.00; larger, \$1.50.

**GOOD BOOKS** on Growing Shrubs, Landscape Gardening, etc. We Sell the Best. See page 124.

**NOTE**—Limited catalog space enables us to catalog only a part of the beautiful shrubs we can supply. Portland buyers can go to our sales nursery by getting an order from us, and pick out shrubs, plants and evergreens.



**Hydrangea Hortensia**

**KERRIA**

**Japonica**—A distinct and valuable shrub; bears double, golden-yellow flowers all summer; in winter its vivid green branches contrast in marked manner with other shrubs. Of graceful habit, with pretty bright-green foliage.

Each 75c

**REBIS**—See Flowering Currant, page 102.



**Single Lilac**

**QUINCE (D) Cydonia**

**JAPONICA**—Bright scarlet single, flowers very early in the spring, before the leaves appear. Thorny, compact growth. One of our best hardy shrubs.

Each 75c to \$1.00

## HARDY FLOWERING SHRUBS AND ORNAMENTALS—Continued

### Don't Forget Postage

Unless 10 to 15c per plant, according to size wanted, is sent for packing and postage, all shrubs will be sent express at your expense. Read Shipping, top page 101.

#### LONICERA (E)

(Evergreen Bush Honeysuckle)

Comparatively new introduction. A very neat, medium-sized hardy shrub that is becoming very popular for mass and border planting. Very attractive.

**LONICERA NITIDA**.—A recent introduction. Hardy evergreen shrub of distinct habit. Erect growing and densely covered with small ovate leathery leaves that have a brilliant gloss on the upper surface. Flowers fragrant, cream white and followed by red berries.

Small, 75c; large, \$1.00 to \$1.50

#### SPIREAS (D)

Graceful shrubs, everyone should plant. They are of the easiest culture, and very desirable in collections. All the *Spireas* bloom with a riotous extravagance which makes them quite striking. Their individual style, color and habits of growth differ so markedly, that a collection of varieties will insure bloom the entire season.

**VAN HOUTTEI**.—The grandest of all the *Spireas*. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing; perfectly hardy and an early bloomer. (See cut.) Each 75c to \$1.00

**THUNBERGII**.—Of graceful habit; the branches are slender and somewhat drooping; foliage in autumn changes to bright red and orange; flowers in feathery masses, white, appearing early. each, 75c to \$1.00.

**PRUNIFOLIA** (Bridal Wreath).—Slender, erect-growing variety having beautifully colored foliage and bearing very early in the spring small double white flowers the entire length of its branches. Very graceful habit. Each 75c to \$1.00

**ANTHONY WATERER**.—Covered nearly the whole growing season with large umbels of deep crimson flowers. Each 75c to \$1.00

#### SNOWBALL (D)

**STERILIS** (Common Snowball).—Blossoms in latter part of May. Flowers pure white, large balls. Every one should plant a Snowball. Each, small plants, 60c; 3 to 4 ft., each, \$75c to \$1.00;

**PLICATUM** (Japanese Snowball).—One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers; covered with bloom for weeks in the spring; grows 4 to 6 feet high; entirely hardy. Each, 2 ft., \$1.00; 2 to 3 ft., \$1.50

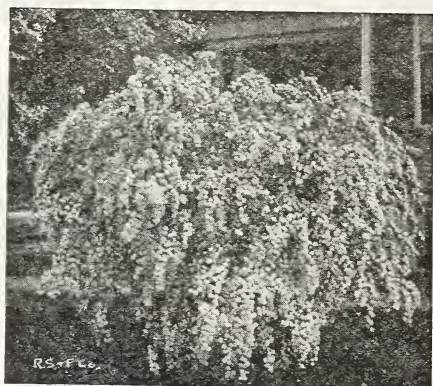
#### PRUNUS (D)

Among the most beautiful deciduous hardy shrubs of Japan are the flowering plums and cherries. Fine for small and large lawns. They flower profusely very early in the spring before the leaves appear; excellent for cutting.

**PISSARDI**.—The purple-leaved plum of Japan. Clouds of white flowers in early spring, followed by leaves of a beautiful bronzy purple color. Each 75c and \$1.00

**P. CERASUS**.—Flowering cherry. Lovely double pink flowers early in the spring. 4 to 6 ft. Each \$1.50

Double White.—4 to 6 ft. Each \$1.50



*Spirea Van Houttei*

#### PHILADELPHUS (D)

**Mock Orange**.—A valuable class of hardy shrubs of vigorous growth, bearing for the most part fragrant white flowers during late spring and early summer.

**AUREA**.—Beautiful golden yellow foliage, white flowers of orange-like fragrance. Each 75c to \$1.00.

**LEMOINEI**.—Slender, graceful branches covered with snowy white flowers of delightful fragrance. Each 75c.

**VIRGINALE**.—Dwarf growing syringa covered in June with pure white flowers. Very fragrant. Each 75c.

#### WEIGELA (D)

Beautiful shrubs that bloom in May, June and July. The beautiful trumpet-shaped flowers are produced in so great profusion as to almost entirely hide the foliage. They are very desirable for the border or grouping, and as specimen plants.

Prices: Following, each 75c and \$1.00.

**CANDIDA**.—Beautiful white flowers; a continuous and profuse bloomer; very hardy.

**ROSEA V**.—Lovely, large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom.

**EVA RATHKE**.—This variety is quite scarce and rare. Has beautiful blood-red flowers. Free bloomer. Each \$1.00.

#### VERONICA (E)

**TRAVERSI**.—Low growing, compact shrubs of upright, neat habit of growth, small, attractive evergreen foliage and small, pure white flowers in great profusion during early summer.

Small plants, 75c to \$1.00; large, \$1.50

**CUPRESSOIDES**.—Globular-shaped with numerous slender branches clothed with scale-like leaves which give it the appearance of Cypress. Valuable in the shrubbery border. Each 75c and \$1.00

**DON'T**

Be misled by the fine catalogs with little prices sent out from the East. Buy our field-grown plant, much larger and better than the weakly Eastern stock.

## EVERGREEN SHRUBS AND TREES

In moving evergreens, they are generally taken up with a ball of earth about the roots: this makes it necessary to ship them by express or freight only. The stock we offer has been moved in the nursery every two years. This insures their living, and they are worth double the ordinary stock.

Not Mailable — These stocks must go by express or freight

### ABELIA

A Chinese shrub of rather recent introduction that is highly satisfactory here and rapidly becoming very popular. A graceful, low growing evergreen with dark, glossy, rather delicate leaves and handsome clusters of light pink flowers that turn to rosy pink. In bloom from June to late fall. Small plants, 75c; select, \$1.00 to \$1.50.

### ACUBA

JAPONICA—Beautiful, broad-leaved evergreen, with leaves speckled and striped golden yellow; elegant shrub for specimen on the lawn or for planting among other shrubbery; bears bright red berries in winter time. Small, \$1.50; 1 to 1½ ft., \$2.50

### ARBOR VITAE

An attractive, hardy, compact, upright evergreen of beautiful appearance. Green or Golden. Each \$2.50 to \$5.00

### AZALEA

A. CRIMSON—A hardy evergreen species. These are dwarf, compact growers. Foliage small; flowers dazzling crimson. Each \$2.25

### BARBERRY

DARWINI—Shrub with small, holly-like leaves and blue berries; clusters of yellow flowers adorn the branches in early spring. Each \$1.00

### BOXWOOD

A compact, small leaved evergreen that can be trimmed into balls, box or pyramidal shape.

DWARF, COMMON—Fine for borders, edgings or low hedges. Hedge plants, 6 in., each 30c; per 100, \$25.00. Specimen plants Globe or Pyramid shaped.

Each, 1½ to 2 ft., \$1.50 to \$2.00

### CAMELLIA

Small trees with shining green leaves and beautiful waxy flowers.

Small plants only, each \$1.50

COTONEASTERS (E)—See page 102.

### CRYPTOMERIA ELEGANS

JAPANESE—A beautiful evergreen with delicate green foliage and graceful habit; color changes to reddish-brown in winter.

Each, small, \$1.00; 2 ft., \$2.50

### CYPRESS

LAWSON—Very popular evergreen; graceful feathery, blue-green foliage. Each \$1.00 to \$1.50. Specimens, each \$2.00 up.

### DAPHNE

Evergreen Japanese shrub with waxy light-green foliage. Pink flowers in early spring that are well known for their wonderful fragrance. Each \$3.00

### EUONYMOUS

JAPONICA—A fine specimen evergreen plant or shrub with leathery glossy leaves ovate in shape. The variegated leaves are very attractive. Each, \$1.50; green, \$1.00

GENISTA (E)—See page 102.

### HOLLY

Very popular everywhere.

English (Aquifolia)—Budded stock, guaranteed berry-bearing. Well balled and carefully packed. Each, 2 to 3 ft., \$2.50 to \$3.50; specimen plants, 4 feet up, \$5.00 to \$7.50 and up.

### JUNIPER

IRISH—Very desirable, pyramidal in form, foliage light green or silvery gray.

Each, medium, \$1.50; large, \$2.00 to \$3.00

### LAUREL

ENGLISH—Handsome, large-leaved, shining foliage. Excellent for large hedges or screens or as single specimens.

Each, 75c to \$1.00; large, \$2.50

Small size for hedges—write.

### LAURUSTINUS

Beautiful evergreen shrub with bright shining green leaves and covered in the late fall, winter and early spring with large panicles of fragrant white blossoms.

Each, small, \$1.00; medium, \$1.50

LONICERA (E)—See page 104.

### MAHONIA AQUILFOLIA

OREGON GRAPE—Native of Oregon, and our state flower. Beautiful foliage and yellow flowers in spring, followed by blue-black berries. Choice plants, nursery grown.

Each, \$1.00 to \$1.50

### PRIVET

One of the best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

ENGLISH—Small, dark green leaf. Hardy and better than California.

Strong field plants, 12 in. up, per 10, \$1.25; per 50, \$4.50; per 100, \$8.00; 2-year-old plants, 24 in., per 10, \$1.50; per 50, \$5.50; per 100, \$10.00.

### PRYANCATHA

Evergreen Thorn—Very desirable spring shrub. Narrow, green leaves. Small, white flowers, followed by showy bright berries for fall and winter show.

Augustifolia.—Tall growing, rich orange berries. Each, small, \$1.00; large, \$1.50

Crenulata.—Bright red berries, handsome, glossy foliage. Small, \$1.00; large, \$1.50

Lalandii.—Medium height, more spreading. The bright orange red fruit is larger and more plentiful. Small, \$1.00; large, \$1.50

### RHODODENDRONS

"Budded" stock very scarce.

"Budded" stock very scarce. Each \$7.50

### RETINOSPORA

One of our most showy and graceful evergreens. There is a large class of Retinosporas, but the most popular are those of compact, tufted character. Choice, well-shaped plants in Green or Brown, \$1.50 to \$2.50 and up.

VERONICA (E)—See page 104.

### YUCCA

The broad, sword-like foliage is evergreen, while midsummer shows great, erect, branching stems bearing a showy display of pendant, creamy-white bells.

Prices: 2-year and up, 75c and \$1.00; 18 to 24 in., \$1.50.

DO NOT EXPECT trees shipped or delivered same day as ordered—can't be done, as all orders go to the nursery for proper filling. You will be notified promptly when shipped.

## NUT TREES

**RAISE ENGLISH WALNUTS**—We can successfully raise English Walnuts here in the Pacific Northwest, and the quality of the nuts is superior to most other sections. Plant a tree or two at least, for your own use, and if you have a large place, plant more. While the cost of grafted stock is more, we advise you to plant them, as there is "no chance" as to quality of the nuts.

### ENGLISH WALNUT TREES

**WALNUTS (D).** Grafted Stock—This year we are prepared to supply you with Oregon-grown trees that are extra select and **ESPECIALLY FINE ROOTED**, much superior to the California trees on account of the fine growth of strong, fibrous roots. The stock we offer is Voorman's famous Franquette grafted on California black walnut roots.

Prices: 2 to 3 ft., each \$1.50, 10 for \$12.50; 3 to 4 ft., each \$1.75, 10 for \$15.00; 4 to 6 ft., each \$2.00, 10 for \$17.50; 6 to 8 ft., \$2.75. Write for 100 price.

**SEEDLING STOCK**—Not grafted. Prices: Each, 4 to 6 ft., \$1.50; 6 to 8 ft., \$2.00.

#### FILBERTS

Prices: Each, 3 to 4 ft., 75c; 10 for \$6.50; 100, \$50.00; Selected, Each, \$1.00.

**BARCELONA**—Magnificent large nut from Spain, first quality.

**DU CHILLY**—The largest Filbert on Pacific Coast. Nuts full fleshed and sweet.

#### SMALL NUTS

**ALMONDS**—IXL-Nonpareil or Ne Plus Ultra—1 year, 3 to 3½ ft., each 75c; 10 for \$6.00; 100 for \$50.00.

**HICKORY NUT (Shellbark)**—4 to 6 ft., \$2.50.

**BUTTERNUT**—Each \$1.50.

## SHADE AND ORNAMENTAL TREES

The following are our most popular varieties. If you want some other kind, inquire; we, no doubt, can supply.

**NOTE**—We make a packing and shipping charge on out-of-town orders as follows:  
One tree, 50c; 6 trees, \$1.00; 12 trees, \$1.50.

#### ASH

**AMERICAN WHITE.**—A fine shade tree. Upright spreading branches forming a round topped crown. Each, 8 to 10 ft., \$2.00

#### BIRCH (D)

Remarkable for its elegance; very graceful; silver bark and slender branches.

**EUROPEAN WHITE.**—Charming tree; gracefully drooping branches, silvery white bark and small, ovate leaves; a combination of attractive characteristics.

4 to 6 ft, \$1.25; 6 to 8 ft. \$1.50 to \$2.00.

**Weeping Cut Leaf.**—No supply.

#### Dogwood

**CORNUS Nuttallia**—One of the handsomest native trees that produce in April or May sheets of 2½ to 3 inch flat flowers on long slender branches. A fine ornamental tree for any purpose. Flowers white. Each, 5 to 6 ft., \$1.25; 6 to 8 ft., \$1.50.

#### CHESTNUT (D)

Very popular, stately shade trees. Extensively planted for shade.

**WHITE FLOWERING**—4 to 6 ft., \$1.00; 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00 to \$2.50.

**RED FLOWERING**—No stock this year.

#### ELM (D)

One of the most popular and best shade trees. Very desirable for street.

**AMERICAN WHITE**—6 to 8 ft., each \$1.50; 8 to 10 ft., \$2.00.

#### MOUNTAIN ASH (D)

Very ornamental trees, especially when covered with its clusters of red berries in the fall. Each, 4 to 6 ft., \$1.50; 6 to 8 ft., \$2.00.

#### MAPLE

**LARGE GROWING MAPLES FOR SHADE**

Your choice of the following kinds: 7 to 8 ft., \$1.50; 8 to 10 ft., \$2.00; selected, \$2.50 to \$3.00.

**NORWAY**—Of large, compact habit; broad, deep green shining foliage, and stout, vigorous growth.

**OREGON**—Wide-spreading branches and large foliage; very rapid growth.

**SILVER OR SOFT**—Native tree of rapid growth; foliage bright green above and silvery white beneath.

**SUGAR or HARD**—Of upright habit of growth; dense shade; extensively used.

**PURPLE-LEAVED SYCAMORE MAPLE**—A purplish tone is imparted to the tree by the purple under-surface of its leaves; the effect being very fine when the leaves are in motion.

**SILVER VARIEGATED (A. Negundo Variegatum)**—No stock this year.

#### POPLAR (D)

These well known trees are planted largely for windbreaks and ornamental purposes; very rapid growers.

**CAROLINA**—Pyramidal; **LOMBARDY**—Tall and spiral, 6 to 8 ft., \$1.00; 8 to 10 ft., \$1.50.

Write for quantity prices, stating size wanted.

### FREE BOOKLET—16 Pages

"How to Plant 'Em So They Live"

Free on Request with Nursery Stock.

**TRANSPLANTING**—When transplanting trees of any kind, trim and prune off one-fourth to one-third of last year's growth; the cut roots cannot support the full top the first season.

## FRUIT TREES

**OUR SHIPPING SEASON** for the above is from November 1 to April 1. Some seasons May 1, although it is too late for best results. We advise late fall or early spring planting while stock is dormant.

**HOW WE SHIP**—Unless otherwise instructed, we ship by EXPRESS OR FREIGHT, whichever is cheapest, and the buyer pays the charges.

**TREES CANNOT GO BY PARCEL POST**, unless you make special arrangements by letter.

**CARE OF STOCK UPON ARRIVAL**—If you are not ready to plant, dig a trench and "heel" in. If ground is frozen, put in a cellar and keep roots damp.

**POSITIVELY NO NURSERY STOCK SENT C. O. D.**

**SUBSTITUTION** When varieties of the tree ordered cannot be supplied or bought locally, others equally as good of the same season but correctly labeled, will be substituted, unless otherwise ordered.

## APPLES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 ft....	\$ .40	\$3.00	\$25.00
One year, 4 to 6 ft....	.50	4.00	30.00
Selected trees .....	.75		

Write for our low prices per 1000.

### SUMMER VARIETIES

**RED ASTRACHAN**—Medium deep crimson, flesh white, moderately juicy, with an agreeable rich flavor; very productive.

**YELLOW TRANSPARENT**—Medium size, roundish, slightly conical; skin pale yellow, flesh tender, juicy, sub-acid; good.

### AUTUMN VARIETIES

**GRAVENSTEIN**—Large, beautiful yellow, dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous; very popular sort.

**KING OF TOMKINS COUNTY**—Very large, globular; red striped; vigorous and productive; excellent quality; juicy, rich flavor.

**WEALTHY**—Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy.

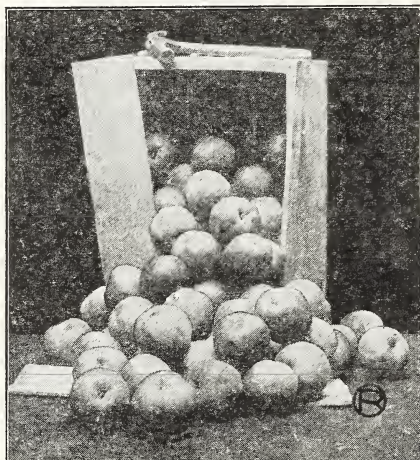
### WINTER VARIETIES

**BALDWIN**—Large, rounded; deep, bright red; very productive; one of the best and most popular winter apples.

**DELICIOUS**—A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use; late; keeps till April.

**NORTHERN SPY**—Large, round, greenish-yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

**SPITZENBERG**—Large, oblong, yellowish ground with broken stripes of bright red; flesh yellow, juicy, with a delicious rich flavor.



### Home Fruit Grower

By M. G. Kains. A simple and practical volume for the amateur, who seeks to grow high quality fruits for home needs. Pruning, sprays, etc. Nicely illustrated, 213 pages. Prices: Paper covered, \$1.10; cloth, \$1.65.

See our Book List, page 124.

**WINTER BANANA**—Winter; yellow; bluish cheek; sub-acid; medium size; a good keeper; a handsome apple; fine flavor, tender and delicious.

**YELLOW NEWTOWN PIPPIN**—Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

**JONATHAN**—Yellow, covered with red; of excellent quality and heavy cropper.

**ROME BEAUTY**—Large, yellow, shaded bright red; juicy sub-acid; good bearer.

**WINESAP**—Medium size, streaked with red; firm, crisp and excellent; widely cultivated.

## CRAB APPLES

Same prices as Apples, above

**TRANSCENDENT**—Fruit very large, skin yellow, striped with red; the best of its class for cider. September.

**YELLOW SIBERIAN**—Fruit small, golden yellow; good variety. Ripens in August.

**FLORENCE**—Size medium; red striped; early bearer; bearing full crop each year; tree immensely productive; juicy and crisp. September.

**HYSLOP**—Large, dark crimson; popular; a hardy variety. Late.

**DO NOT EXPECT** trees shipped or delivered same day as ordered — can't be done, as all orders go to the nursery for proper filling. You will be notified promptly when shipped.

## PEARS

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 feet.....	\$.60	\$5.50	\$45.00
1 year, 4 to 6 feet.....	.75	6.50	60.00
Selected trees .....	1.00		

Write for low prices per 1000.

**BARTLETT**—Large, skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence.

**BOSC**—Handsome deep yellow, slightly russet; high quality, tender, aromatic; none better. September.

**FALL BUTTER**—Favorite fall pear; yellow, smooth and juicy. September.

**SECKEL**—Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequalled; skin brownish green, russet brown cheek; flesh whitish. September.

**D'ANJOU**—A large, fine pear; buttery and melting, with sprightly, vinous flavor; tree a fine grower and good bearer; one of the very best. October.

**COMICE**—A splendid commercial variety, being of fine size; good appearance; ships well; green, faintly blushed crimson. October.

**FLEMISH BEAUTY**—Large, juicy, rich, very hardy, productive and profitable. September-October.

**WINTER NELLIS**—Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained and abounding with juice of a rich saccharine, aromatic flavor; especially adapted to this valley, producing large crops every year; an excellent shipper and good keeper. November-December.

## PEACHES

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 ft.....	\$.65	\$5.00	\$45.00
1 year, 4 to 6 ft.....	.75	6.50	50.00
Selected .....	1.00	9.00	

**EARLY CRAWFORD**—Very large, yellow; with red cheek; flesh sweet and excellent. Our most popular peach for table and canning; freestone.

**ELBERTA**—Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone; early.

**LATE CRAWFORD**—Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

**HALE'S EARLY**—Skin greenish white, red cheek, flesh white; juicy and sweet; semi-freestone; very early and good.

**EARLY CHARLOTTE, MUIR, SALWAY.**

### Free Booklet—16 pages

#### "How to Plant 'Em So They Live"

Free on request with tree or shrub orders. It's worth reading unless you have had experience.

## PRUNES

Unless otherwise priced	Each	Per 10	100
1 year, 3 to 4 ft.....	\$.65	\$5.00	\$45.00
1 year, 4 to 6 ft.....	.75	6.50	50.00
Selected trees .....	1.00	9.00	

Note—Special low prices on Italians. Write.

**GIANT**—New; of immense size; dark crimson, on yellow ground; good yielder; flesh firm, rich, sweet, delicious; good shipper.

**HUNGARIAN**—Very large, dark red; juicy and sweet.

**IMPROVED PETITE**—Medium size, egg-shaped; violet purple; sweet, rich and sugary; very productive; good fresh and for drying.

**SILVER**—Seedling of the Coe's Golden Drop; excellent for drying or canning. September.

**SUGAR**—Vigorous grower; fruit large and dries quickly; flesh tender and rich in sugar; color dark purple. August.

**ITALIAN (Fallenberg)**—Medium, oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. Most popular.

Write for our low prices per 100 or 1,000 on Italians.

## PLUMS

1 year, 3 to 4 ft.....	\$.65	\$5.00	\$45.00
1 year, 4 to 6 ft.....	.75	6.50	50.00
Selected trees .....	1.00		

**COLUMBIA (Shipper's Pride)**—Largest size, nearly globular; brownish purple; rich, sugary; freestone. August.

**PEACH**—Very large; skin brownish-red, slightly coarse-grained, but juicy; freestone; very popular as a home and market variety. August.

**DAMSON**—Small, oval; skin purple; flesh melting, rather tart. September.

**MAYNARD**—Very large, nearly round; crimson-purple, bears young; flesh firm, but melting, juicy and delicious. July.

**SATSUMA (Blood Plum)**—Japanese variety; quite popular; large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

**PRINLEW**—A valuable new variety, produced by H. A. Lewis. A heavy and sure cropper. Plums of large size; skin yellow, overspread with bright red when fully ripe; rich, golden flesh, firm, but juicy; fine grained and most delicious. Each, 2 year, \$2.00

## APRICOTS

Apricots—Same prices as Peaches.

**MOORPARK**—Very large, yellowish-green; brownish red on the sunny side; flesh bright orange; fine for canning and drying; free stone.

**LEWIS**—One of the largest apricots known; handsome in appearance; flavor excellent. If you have room for only one apricot tree, plant the Lewis. Each \$1.00

**ROYAL — TILTON — BLENHEIM** — Same price.

**REMEMBER**—No trees sent by parcel post this year. See top page 106. **LARGER BUYERS** of trees should send list of stock wanted for special prices.

## CHERRIES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 ft....	\$ .75	\$7.00	\$50.00
One year, 4 to 6 ft....	1.00	10.00	75.00
Selected trees .....	1.50	10.00	

**LAMBERT**—Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann.

**ROYAL ANN** (Napoleon Bigarreau)—A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. (Early July.)

**BING**—Originated in Oregon; fruit large, dark brown or black; very fine; late; a good shipping variety.

**KENTISH** (Early Richmond)—Light red, juicy; one of the best acid cherries and unsurpassed for cooking purposes; very productive.

**MILLER'S LATE**—Larger and better than Late Duke, rich red; late and excellent; sub-acid.



**NEW—THE "BURBANK"**—A rich, fine flavored, dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer. Each \$1.50 to \$2.00.

**MONTMORENCY**—Large, sour fruit, similar though larger than the Early Richmond; quite hardy. May.

**MAY DUKE**—Medium size, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

Remember, no trees sent by Parcel Post — see top page 107

## GOOSEBERRIES

	Each	12	100	1000
One year old....	\$ .20	\$2.00	\$10.00	\$50.00
Two years old...	.25	2.50	12.50	60.00
Selected .....	.40	4.00		

Very low prices by the thousand. Write.

**Postage.**—Add 7c each, 50c dozen, for packing and parcel post.

**OREGON CHAMPION**—Berries large, round and pale green; fine for table use and pies; hardy, strong and a very prolific bearer; most popular and best commercial variety.

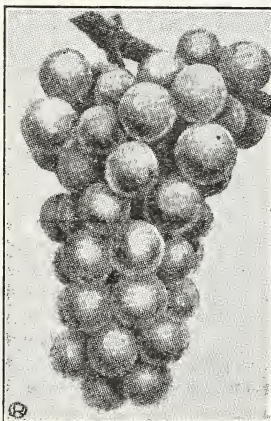
## GRAPES

	Each	12	100
One year old .....	\$ .25	\$2.00	Write
Two year old.....	.40	4.00	Write
Selected .....	.50		

**CAMPBELL'S EARLY.**—Clusters large; berries large, round, black, with purplish bloom; flesh firm, but tender; flavor rich, sweet and slightly vinous. Early.

**CONCORD.**—Large, round, black grape; bunches compact, quality only fair, but it is well known and very popular.

**DELAWARE.**—Best known of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red; sweet.



## QUINCE

One year old.....	\$1.00 each
Selected trees .....	\$1.25 each

**CHAMPION**—Large, yellow; flesh cooks very tender; flavor is most delicious.

**PINEAPPLE**—The fruit in form and size resembles the Orange Quince, but is smoother and more globular. Makes superior jelly, possessing a most exquisite and delicious flavor. September.

## DEWBERRY

**LUCRETIA**—Fruit ripens between the raspberry and blackberry. Berries large, handsome, sweet and luscious; trailing vines. **STRONG PLANTS**, each 25c; per doz. \$2.50; postpaid, 100 \$12.50; 1,000, price on request.

**EATON.**—A strong, sturdy grower; fruit is large and handsome, firm and of the highest quality; deep rich red when fully ripe; of sprightly, exquisite flavor.

**NIAGARA.**—Berry large, pale greenish yellow; flesh tender and sweet; productive; the standard white grape in most sections.

**WORDEN.**—Bunch very large and compact; berry large, black; an improved Concord; earlier and excellent home variety.

**REMEMBER**—You must add 7c each, 50c dozen, **EXTRA** if you want grapes or gooseberries by **PARCEL POST**.

## CURRENTS

Low prices by the thousand. Write

	Each	12	100
One year old .....	\$.20	\$2.00	\$12.50
Two year old .....	.25	2.50	15.00
Selected 2 year .....	.50	5.00	

BY MAIL—Add 7c each, 50c doz. for packing and postage. Low prices for 1000 on request.

**PERFECTION**—New; a late introduction of great merit. Our grower says: "You cannot say too much about the good qualities of this grand new sort." So, whether you plant ten or a hundred, plant a good proportion of Perfection, which is the largest, most productive, finest-flavored, rich, mild, sub-acid. Fruit bright red; plenty of pulp; few seeds.

**CHERRY**—Large, deep red; rather acid; fine for preserving; valuable market variety.

**WHITE GRAPE**—Large; valuable for the table and market; the finest of the white sorts.

Winesap, Wash., June 17, 1925.

Routledge Seed & Floral Co.

Dear Sirs: I received the plants and bulbs which you sent to me. They came in good condition. Every plant lived and is growing nicely, and most of the bulbs are through the ground.

Respectfully,

ROSA BARMORE.

## BLACKBERRIES

Unless otherwise priced	Each	Doz.	100
One year .....	\$.20	\$2.00	\$10.00
Extra strong .....	.25	2.50	12.50

BY MAIL—Add 7c each, 50c doz. for packing and postage. Low prices for 1000 on request.

**LAWTON**—The favorite market variety; large, good quality, uniform, hangs long on vine when ripe, productive and profitable. The most generally planted for commercial markets in the Pacific Northwest. Oregon's most popular kind.

**EVERGREEN**—Introduced from Oregon; beautiful lacinated foliage, which it retains all winter; berries large, black, sweet, rich and delicious; ripens from July to November; a fine berry for family use. Write for low price per 1,000.

**HIMALAYA GIANT**—A rampant grower of a trailing nature; a heavy cropper; the berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep-rooting qualities enable it to produce a large, firm berry even in a very dry season.

The most profitable commercial market and home variety.

**MAMMOTH**—Discarded in favor of Cory.

### CORY THORNLESS

The thornless blackberries are of recent introduction, of trailing nature. No thorns, thereby easier and quicker picked.

In many locations the "Cory" will out-yield and out-class any other blackberry. Larger and sweeter and having a flavor more like the wild berry; superb for jelly, jams, wine or served fresh; small core, almost seedless, firm and will ship well. Comes into full bearing the second season after planting.

In some (but not all) sections the "Cory" is a wonder in yield and quality of fruit. In California and the warmer sections of Oregon it does well. See prices above.

## LOGANBERRY

In great demand again for canning and drying. An exceedingly strong grower and an enormous bearer. Color dark red. Has a pleasant, vinous flavor, delicious and peculiar to this berry alone; fruit ripens early. It is excellent for the table, eaten raw or stewed, and for jelly, jam or "juices" is without an equal.

**TRANSPLANTS** (2 year, extra strong)—Prices, each 25c; doz. \$2.25 POSTPAID. Not prepaid, each 20c; doz. \$2.00; 100 \$10.00.

**LOGANBERRY "TIP" PLANTS**—These are ready after March 1, but are very tender and must be handled with care. Not mailable. Prices on request.

## BLACK RASPBERRIES

	Each	12	100
Two year, select .....	\$.20	\$2.00	\$10.00

BY PARCEL POST.—Add 7c each, 50c a doz., extra to cover packing and postage.

**PLUM FARMER**—Of good size, fine quality; very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

**GREGG**—Large, greyish black, hardy and productive. One of the best.

## RED RASPBERRIES

	Each	12	100
Strong plants .....	\$.10	\$.60	\$3.00
Extra strong .....	.15	1.00	4.00

Very low prices per 1,000. Write.

BY PARCEL POST.—Add 7c each, 50c a doz., extra to cover packing and postage.

**CUTHBERT**—Berries large, firm, deep rich red; flavor rich, sweet and delicious. The best and most popular home or market variety; mid-season.

**MARLBORO**—Standard, light crimson, large, very firm; good commercial variety; ripens early.

### ST. REGIS—EVERBEARING

Produces throughout the season. Early, medium and late. Fruit of good size, rich and sweet. Each, 20c; doz., \$2.00; 100, \$7.50.

### LA FRANCE—GIANT EVERBEARING

A comparatively new variety, strong, vigorous grower. Fruit large, rich, sweet and juicy and borne on racemes, one to three feet long, in large clusters, and the same racemes show the unusual sight of buds, blooms, fruit just setting, green berries and the ripened fruit. The late crops, which comes on when raspberries are scarce and high in price, is usually heavy.

**STRONG PLANTS**—Each, 20c; doz., \$2.00; 100, \$10.00; add postage 7c each or 50c doz.

Everett, Wash., Jan. 16, 1925.

Routledge Seed & Floral Co.

Dear Sirs: I had fine success with the seeds and plants ordered from you and they arrived here in excellent condition. This has, of course, been some time ago and I wish to order more from you.

The Carnations and Geraniums never wilted in the least and were one mass of wonderful blooms. The Gladioli Gold Medal have done well. Everyone who saw my little garden admired it.

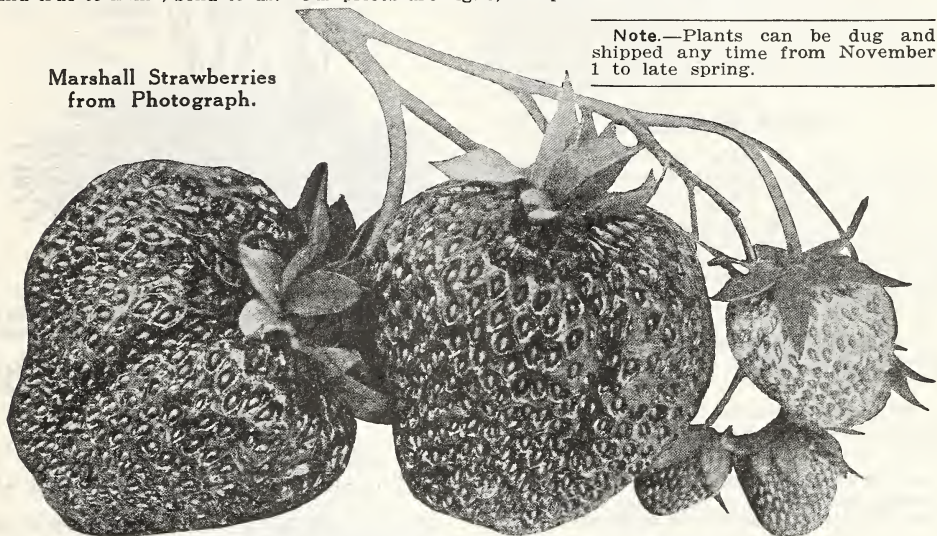
MRS. JOHN LOWER, JR.

**FEED YOUR BERRIES**—You must supply "feed," in other words, fertilizer, if you want large crops. Read about "Marvel Q-A" and "H-Q", pages 38-39.

**SELECTED  
STRAINS****STRAWBERRY PLANTS****INSPECTED  
CERTIFIED**

Our strawberries are carefully grown, trimmed and packed in the best manner to insure their arrival in good, fresh condition. If you want good, strong, healthy, vigorous plants, and true to name, send to us. Our prices are right; our plants are certified and O. K.

Marshall Strawberries  
from Photograph.



Note.—Plants can be dug and shipped any time from November 1 to late spring.

**Standard and Popular Western Varieties**

**PRICE LIST.**—Your choice of following varieties, unless otherwise priced, **PREPAID**, doz. 30c; 50 plants, 85c; 100, \$1.50. **NOT PREPAID**, doz. 25c; 50 plants, 60c; 100, \$1.00; 1,000, \$3.50; 500 plants all one kind at 1,000 rate. Ask for special prices in 3, 5, 10 or 25 thousand lots.

**OREGON IMPROVED**—One of the finest and most satisfactory strawberries ever introduced. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be surpassed. The "Oregon" ripens early and continues in bearing until late in the season.

**MARSHALL**—One of our best Western varieties and very popular wherever known. Marshall is one of the blood-red varieties that never fails to attract the eye and to satisfy the taste. It is deliciously sweet, generously prolific, and is in every way an ideal variety for extensive planting or home garden. Excellent for canning, as it holds its color, shape and flavor.

**GOLD DOLLAR**—One of the earliest berries on the market. Fruit good, medium size, and attractive; rather tart; fine flavor; foliage heavy, large and spreading, which protects the blooms from early frosts.

**Everbearing Strawberries**

Popular strawberries on account of their long fruiting season. Left alone, they will flower and fruit the whole season, but to secure a large crop in the late fall when berries are scarce and high in price, keep the blooms off until the last of June.

**PROGRESSIVE EVERBEARING**

Berries medium large, rather dark-red in color and of excellent quality. Ripens early and continuously; the fall crop is always profitable. Extremely hardy, bearing until the ground freezes. A valuable market variety, probably the most popular in the class.

Your choice, **Everbearing**, doz. 50c; 25 plants, 75c; 100, \$2.00, prepaid. Not prepaid, doz. 40c; \$1.75 per 100; \$15.00 per 1,000. Write for special prices in quantity.

**WE OFFER ONLY INSPECTED AND CERTIFIED PLANTS CARRYING PROPER "INSPECTION NOTICE."**

Minden, Nevada, April 25, 1925.

Routledge Seed & Floral Co.

Dear Sirs: The Strawberry Plants I ordered last week arrived today in fine shape.

I wish at this time to inform you what wonderful plants you sent and the care that must have been taken in selecting them. I ordered from another house this spring and there is no comparison between the Plants. One of your Plants would make three of their Plants.

Yours very truly,

H. R. JEPSSEN.

**Wellington Marvel**

The "Marvel" is a superb and meritorious variety in color, shape, flavor and good qualities. The ripe berries command instant attention on account of the bright, fresh, delightful appearance and fragrance.

Fruiting season is very early, long and marvelously productive.

The ruddy glow of the Marvel spreads evenly and leaves no white tips. It is unequaled for table and excellent for canning and preserves. For private trade it is a wonder, as the flavor when fully ripe is incomparably delicious and sweet.

Prices, postpaid, doz. 50c; 50 \$1.25; 100 \$2.00. **NOT PREPAID**, per 100 \$1.75; 1,000 \$15.00.

**SUPERB EVERBEARING**

Berries produced beneath the foliage, which protects them from frost and bad weather conditions. Come claim Superb is not so productive as Progressive, but its berries are larger, brighter red in color and of more delicious flavor. Good keepers and shippers.

## ASPARAGUS ROOTS

**Buy Roots and Save 2 to 3 Years**

One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured. For gardens, set plants in double rows, 18 inches apart, in rows 3 feet apart. Field culture, set every 15 inches in rows 5 or 6 feet apart (about 7,000 per acre).

### Giant Washington

The plants we offer have been produced from seed grown from the most uniform rust-resistant, highest yielding, largest in size and quickest growing plants from the latest selections by the U. S. Department of Agriculture. Giant Washington is nearer to being rust-proof than any other. It produces handsome, large, straight, dark green shoots of excellent quality, with tips that are tight and firm until well out of the ground.

**NO. 1 ROOTS**—(Generally listed as 2-year.)  
Prepaid, doz. 50c; 50 for \$1.00; 100 for \$1.50.  
Not Prepaid, doz. 40c; 100 for \$1.25; 1000 \$8.00.

**NO. 2 ROOTS**—(Generally listed as 1-year.)  
Prepaid, doz. 35c; 50 75c; 100 \$1.00. Not Prepaid, doz. 25c; 100 85c; 1,000 \$6.00.

**EXTRA SELECT ROOTS**, for small planters.  
—Prepaid, doz. 75c; 50 for \$1.50; 100 for \$2.50.  
Not Prepaid, doz. 60c; 50 for \$1.35; 100 for \$2.25.

### Palmetto Asparagus

We are growing smaller amounts of this variety each year. Giant Washington is generally preferred. Prices on Palmetto same as above.

## HORSERADISH ROOTS

Plant in the spring 18 by 24 inches apart. Set the whole root small end down.

**Prices:** 2 for 15c; 50c per doz.; \$2.00 per 100. Low prices by the 1,000.

**Crown Root.**—Quick results. 15c each; doz. \$1.00.



**Buy  
Roots  
and save  
2 to 3  
years'  
time**

## HOP ROOTS

**Oregon's Famous English Cluster Hops.**

**Regular Root Cuttings**, 10c each, 3 for 25c; 75c doz.; \$4.00 per 100, postpaid. Low prices by the 1,000.

**Crown Roots** give quicker results; each 15c; 2 for 25c; doz. \$1.25; \$7.50 per 100, postpaid.

## RHUBARB

**PIE PLANT—WINE PLANT**

**Every Garden Should Have a Few Hills of Rhubarb.**

Plant in the fall or early spring from 3 to 4 feet apart, in the richest soil you have, or can prepare. **NEW BOOK:** "Rhubarb Culture," a complete guide to dark forcing and field culture (well illustrated), 130 pages, \$1.25.

### Riverside Giant

Far superior to all other varieties and unequalled by any known marketable sort. The trueness of the strain is unquestionable, as it is only propagated from root divisions or growing buds from stock that shows the superior merits of the parent stock.

**Riverside** is a quick, very early grower, producing very freely giant, heavy stalks, that are exceedingly tender, brittle and of the finest flavor and color. A "peerless" rhubarb for home gardens or for commercial plantings.

We supply strong, healthy divided roots, the only safe way. Seedlings do not come true.

**SINGLE EYE.**—Postpaid, each 15c; doz. \$1.50. Not postpaid, doz. \$1.25; 100 \$7.50.

**DOUBLE EYE.**—Postpaid, each 25c; doz. \$2.50. Not postpaid, each 20c; doz. \$2.00; 100 10.00.

**TRANSPLANTS.**—Grown one year from single-eye large, vigorous, healthy roots, each 35c; doz. \$3.00, not prepaid. By Mail, 7c each, 50c doz. extra.

**FOUR EYE.**—Big clump, each 50c; doz. \$5.00. Not prepaid.

### Books You Should Read

We offer the latest and most popular books on Garden, Fruit and Farm Crops—see page 124.

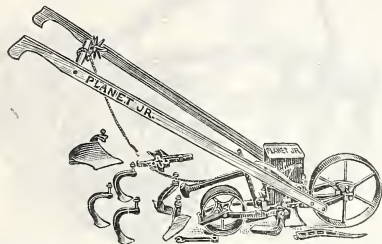
**Rhubarb.**—If wanted in larger quantities, write for special price.

**FERTILIZER**—To grow big crops of Asparagus and Rhubarb you must apply each year a liberal amount of good fertilizer. **WE HAVE IT**—see pages 38 and 39.

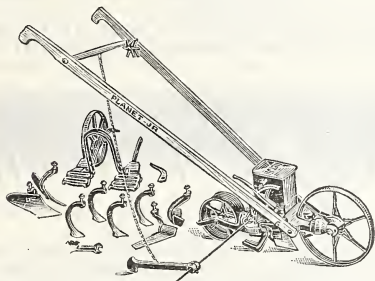
## Planet Jr. Garden and Farm Tools

For 40 years Planet Jr. Garden Tools have stood the test of world-wide usage, and are recognized in every known country as the highest type of garden implement.

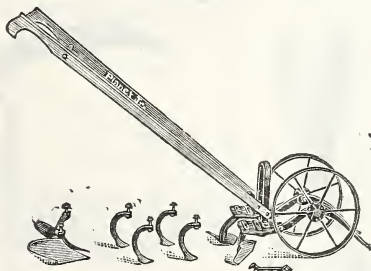
We cannot tell you all about Planet Jrs. In this catalog, but will send you the beautiful 64-page Planet Jr. catalog on request.



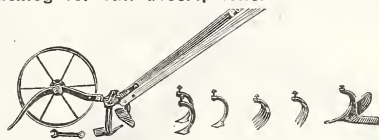
Planet Jr. No. 4 Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow



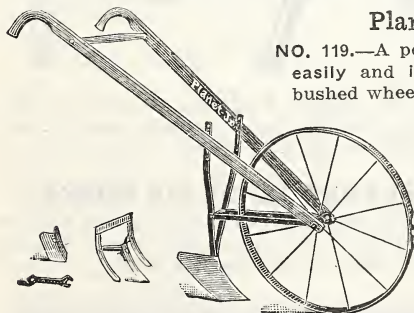
Planet Jr. No. 25 Combined Hill and Drill Seeder and Double Wheel Hoe Cultivator and Plow



Planet Jr. No. 12 Double Wheel Hoe



No. 16 Single Wheel Hoe Cultivator



Planet Jr. No. 19

### Planet Jr. Garden Plow and Cultivator

**NO. 119.**—A popular and efficient large wheel cultivator that runs easily and in perfect balance on a light, strong, 24-inch steel bushed wheel; adjustable oak handles. Not equalled by any other cultivator, at anywhere near its price. Attachments tool steel, hardened and polished. Tools furnished—One 1½-in. cultivating tooth, one 4-in. cultivating tooth for opening furrows, etc.; one combined reversible 3-prong cultivator; one shuffle blade or weeder, and one plow (see illustration). A combination that will answer every need. Price, \$5.00. (Wgt., 16½ lbs.)

**NOTE**—No. 25 Double Moldboard Plow (price, \$2.50) and the No. 35 Seeder Attachment (price, \$6.75) can be used with above machine. See Planet Jr. Catalog.

**NO. 4 COMBINED PLANET JR.**—This tool combines in a single convenient implement a hill-dropping seeder, a continuous row-seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. (Holds 2 qts.) Price, complete, \$19.00; (wgt. 53 lbs.)

**NO. 4-D PLANET JR.**—Seeder only. Price, \$15.25.

**NO. 25 COMBINED PLANET JR.**—This combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately. The change from Drill to Wheel Hoe and back again is quickly made. (Holds 2½ qts.) Price, complete, \$22.50; (wgt., packed, 60 lbs.)

**NO. 3 HILL AND DRILL SEEDER.**—A favorite among large gardeners. (holds 3 qts.) (wgt. 43 lbs.) Price, \$18.50.

**No. 35 Planet Jr. Seeder and Attachment For Wheel Hoes.** (wgt. 8½ lbs.) Price, \$6.75; with handle, \$7.50.

### PLANET JR. SINGLE WHEEL HOES

Every gardener should have one of these.

**NO. 16.**—See cut. Just the tool for the home garden. Price, \$9.50. **No. 17** is same, less 2 rakes. Price, \$6.25. **No. 17½**, less rakes and plow. Price, \$7.25. **No. 18**, one pair hoes only. Price \$6.25. See Planet Jr. catalog for full information.

### PLANET JR. DOUBLE WHEEL HOES

**NO. 12.**—Latest and best in cultivators, price with tools as per cut. Price, \$11.50. **No. 13**, one pair hoes only, \$8.75. Ask for Planet Jr. Catalog for full descriptions.

WITH A GARDEN CULTIVATOR YOU CAN CULTIVATE YOUR WHOLE GARDEN IN THE TIME IT WOULD TAKE TO HOE A FEW ROWS.

## Barker Weeder, Mulcher and Cultivator

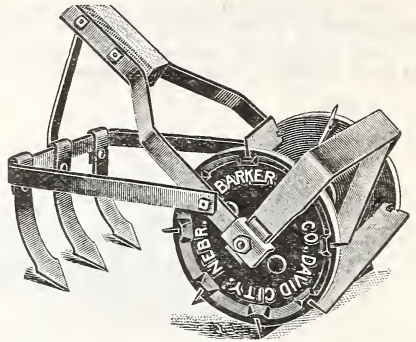
The Barker is three garden tools in one. It has no delicate parts to get out of order and is always ready for use. For deep cultivation use the machine as shown in the illustration and for weeding and pulverizing the top soil you simply turn it over. No changing or adjusting necessary. The revolving reel blades, working in combination with the stationary weeder-knife, destroys the weeds, pulverizes the clods, aerates the soil. The machine is so adjusted that there is about  $\frac{1}{2}$  of an inch space between the reel blades and the stationary knife, the blades revolving over the knife, granulate the top crust so that the soil pours evenly over the knife, leaving a level, perfect soil mulch.

You can do this work as fast as you can walk. We recommend the Barker; it's fast and easy work to operate it.

If the top soil is baked or hard, use the weeder side first and then reverse it and use the cultivator teeth for deeper work. Long, strong handle with cross bar hand grip.

The Barker works to perfection in all soils except large gravel or rocky soil. Descriptive and illustrated folder on request.

Prices and Sizes—No. 6-D—5 inches wide, \$9.25; No. 8½-D—8½ inches wide, \$10.60; NO. 10-D—10 inches, \$11.75; NO. 11-D—11 inches, \$12.60; NO. 12-D—Largest size (12 inches), \$13.50.



The "Barker" as a Cultivator

## HIGH GRADE GARDEN TOOLS

Call or write for prices on anything wanted.

No.	Each
51—Heart shape hoe; solid steel shank	\$1.15
52—Maynard spade, best quality.....	2.50
53—Solid steel rake, 13 teeth.....	1.35
54—XXX flat hoe, best quality.....	\$1.25
55—Maynard steel shovel, very best....	2.50

**TURF EDGERS.**—Solid steel shank...\$1.50

The above are the very best. We have cheaper grades.



All Purpose Rake

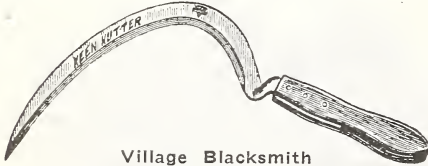
Unequaled for raking out of the lawn dandelions, weeds, etc. Excellent for picking up grass, small twigs, pebbles, etc., that an ordinary rake will not catch. A single backward push cleans the teeth. Long, smooth hardwood handle. Each \$1.00. (Not mailable.)

## ASPARAGUS KNIFE

Long shank and blade for cutting the tips below the surface. Price 50c; postpaid 60c.



Asparagus Knife

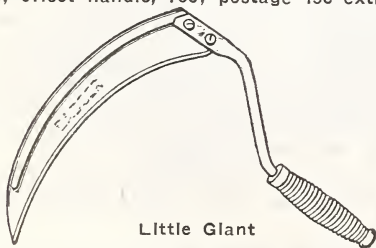


Village Blacksmith

## GRASS HOOKS or SICKLES

**BADGER.**—Scythe blade, best style. Easy cutting. Each, 65c; postpaid 75c.

**VILLAGE BLACKSMITH.**—Hand forged. 50c; offset handle, 75c; postage 15c extra.



Little Glant



**NO. 800 HEDGE SHEARS.**—Strong and durable. High quality 8 in. blade. \$2.85. 9-in., \$3.35. (P. P. wgt. 5 lbs.)



No. 6 GRASS HOOK WITH 42-in. HANDLE. Very handy for trimming — no stooping. Price, \$1.35. (P. P. wgt. 4½ lbs.)

## PLANET JR. GRASS EDGER

A real success. You can edge as fast as you walk. Steel wheel, with hub to run on walk. Price, \$2.00; postpaid \$2.25.



**MANY OTHERS.**—We have many garden tools that catalog space does not allow us to illustrate. Call if you can.

## LAWN MOWERS

We do not carry a large variety, but we do offer the most popular standard makes that run easily, wear well and do satisfactory work. There are many cheap machines on the market that are only "disappointment."



**GREAT AMERICAN BALL-BEARING.**—Recognized by all to be the most popular and best; there are many imitations but none quite so satisfactory. Open cylinder, five cutting blades of knife steel; 10-inch wheel, solid cast steel butting knife, hardened in oil; steel balls of highest grade, placed in dust-proof steel cups; cuts close, runs easily, and quickly adjusted. 15-inch, \$20.00; 17-inch, \$22.75; 19-inch, \$25.50.

**NORTHERN KING.**—Open cylinders, 4 blades, good quality and best medium-priced mower. 14-inch, \$12.50; 16-inch, \$13.50.

**RIVAL.**—A light-weight, easy running mower, desirable for cutting on steep banks; open cylinder, 4 blades. Prices, 12-inch blade, \$8.50; 14-inch, \$9.50; 16-inch, \$10.50.

## Grass Catchers

**SUCCESS.**—Perforated metal bottom, canvas sides. Adjustable for 14 to 18-inch mower. Price, \$1.50.

**FULL CANVAS.**—Good quality, wire frame. Give blade measure for size. Price, \$1.00.

**ROUTLEDGE'S EVERGREEN LAWN GRASS SEED** (page 48) and "**MARVEL**" and "**H. Q. BRAND**" FERTILIZER (pages 38 and 39) make those green, velvety lawns so much admired.

## WATER-WEIGHT LAWN ROLLERS

Best lawn roller made. Steel drums can be filled with sand or water to make them heavier. Roller-bearing, easy running. Every lawn, new and old, needs rolling. Ask your gardener. We "rent" these to our customers in Portland. \$2.50 per day.

	Drum Size	Weight Empty	Filled Water	Sand	Portland Prices
No. WB5	18x24 in.	80 lbs.	300 lbs.	500 lbs.	\$18.75
No. WB7	24x24 in.	125 lbs.	500 lbs.	800 lbs.	\$22.50

## BROADCAST SEEDER

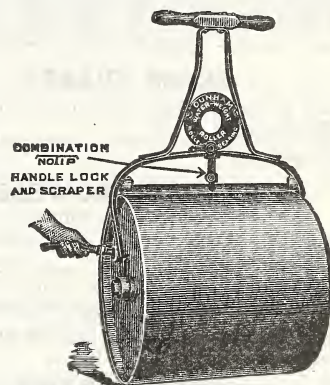


## NEW CYCLONE.—

One of the best broadcast hand sowers in the market. Guaranteed to sow perfectly all varieties farm seeds. Can be regulated to sow any amount per acre. It is strongly built and mechanically perfect. The bag holds  $\frac{1}{2}$  bushel. Easily operated. (Mailing weight 4 lbs.) Price, \$2.25.

## HORN SEEDER—

Well liked. Each, \$1.00.



Lawn Roller

**CAHOON SEEDER.**—Popular and well known broadcast seeder. Price, \$4.50. (Wgt. 10 lbs.)

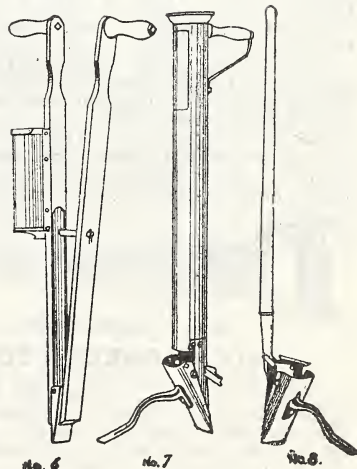
## Corn and Potato Planters

Save time, labor and backbone. Add postage if wanted by mail

**ACME CORN PLANTER.**—(See cut No. 6.) A two-handled planter, light and durable. Adjustable from large to small corn and beans. (P. P. wgt. 6 lbs.) Price, \$1.25.

**EUREKA TUBULAR POTATO PLANTER.**—(See cut No. 7.) Plants any size seed, and at an adjustable uniform depth. Opens automatically by forward movement: most satisfactory in every way. (P. P. wgt. 5 lbs.) Price, \$1.75.

**PINGREE POTATO PLANTER.**—(See cut No. 8.) Similar to the tubular, but has no tube. You lift the planter up to drop in the potato. (P. P. wgt. 5 lbs.) Price, \$1.25.



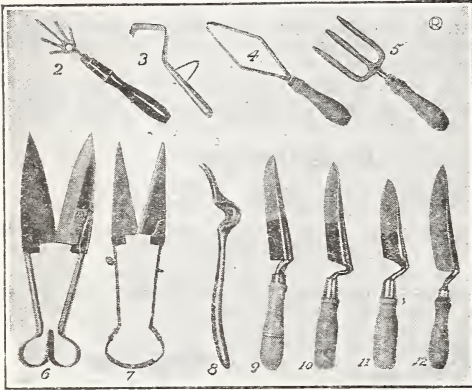
OUR STOCK OF SWEET OR FIELD CORN AND POTATOES ARE GROWN ESPECIALLY FOR WESTERN PLANTERS. NONE BETTER ANYWHERE.

## Miscellaneous Supplies and Tools You Need

### WIRE HANGING BASKETS

Well made of heavy wire and painted green.  
6-in., 20c; 8-in., 25c; 10-in. 35c; 12-in., 40c;  
14-in., 50c.

GREEN MOSS for baskets, 6c lb.



### GRASS SHEARS

NO. 6.—High grade, full polish; 6-inch blade.  
\$1.00; postpaid, \$1.10.

NO. 7.—5½-inch blade; good value. 50c;  
postpaid, 60c.

### GARDEN TROWELS

Add 7c for mailing.

NO. 9.—Wood handle, 6 inch steel blade;  
a first class trowel. 35c.

NO. 10.—Very strong; all steel; 6-inch. 35c.  
NO. 12.—Best low-priced; 6-inch blade. 15c.

NO. 13.—Maynard pattern; 6-inch; highest  
grade. 90c. Postpaid \$1.00.

NO. 14.—Transplanting, narrow blades, high  
quality, 25c. Postage extra.

### PRUNING SAWS

Atkin Saw Co.'s highest quality. None bet-  
ter. Atkin booklet on Pruning free. If wanted  
by parcel post, ADD 10c EXTRA FOR MAIL-  
ING.

NO. 20.—California, curved 12-inch blade,  
\$1.35; 14-inch, \$1.50.

NO. 18.—Similar to above, better handle  
grip which can be loosened and folded under  
cutting edge for carrying in your pocket. 12-  
inch, \$1.50; 18-inch, \$1.65.

NO. 3.—Duplex blade; 12-inch, \$1.50; 14-  
inch, \$1.65. Most popular. (See cut.)

NO. 1.—Table pruner, open handle grip.  
Extra quality. 12-inch blade, \$2.00.



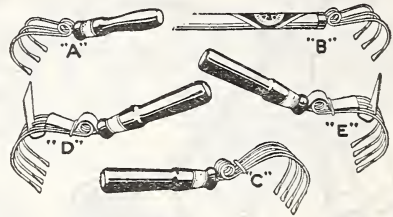
No. 3—Duplex Blade

### "ALCA" GARDEN TOOL

Best all-round tool made. This remarkable  
combination tool is a trowel, fork, hoe, weed-  
er and dibble—all in one. A spring releases  
the particular tool you desire. Light but  
strong and handles nicely. (15 inches long—  
see cut.) Price 75c; postpaid 85c.

### HAND WEEDERS

Several good styles. Diamond (see cut No.  
4), 25c; Beet, hoe style, 20c; Fork (see cut No.  
5), 25c; Excelsior, five-claw (see cut No. 2),  
25c; Lang's (see cut No. 3), 25c.



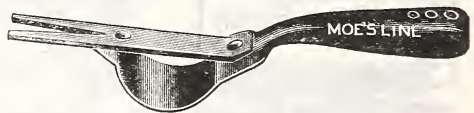
MAGIC WEEDER.—Style "A", 15c; post-  
paid 20c; Magic "B", 18-inch, 25c; postpaid,  
35c; Magic "C", 35c; postpaid, 45c; Magic "D"  
or "E", see cut, 50c; postpaid, 60c.



GUARANTEES WEEDLESS LAWNS

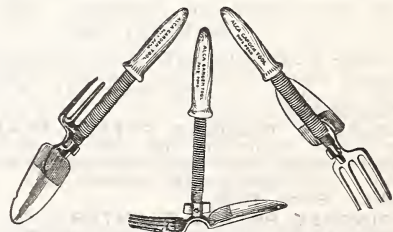
U. S. PAT. JUNE, 1913

SIMPLEX WEEDER.—Every owner of a  
lawn needs a Simplex to pull the weeds with  
the roots. It's simple, sure, and easy to op-  
erate; no toy but a real effective, durable  
tool. Long handle. No backache or stiff  
knees. Most popular garden tool we have.  
(P. P. wgt. 2 lbs.) Price \$1.25. ADD POST-  
AGE IF WANTED BY MAIL.



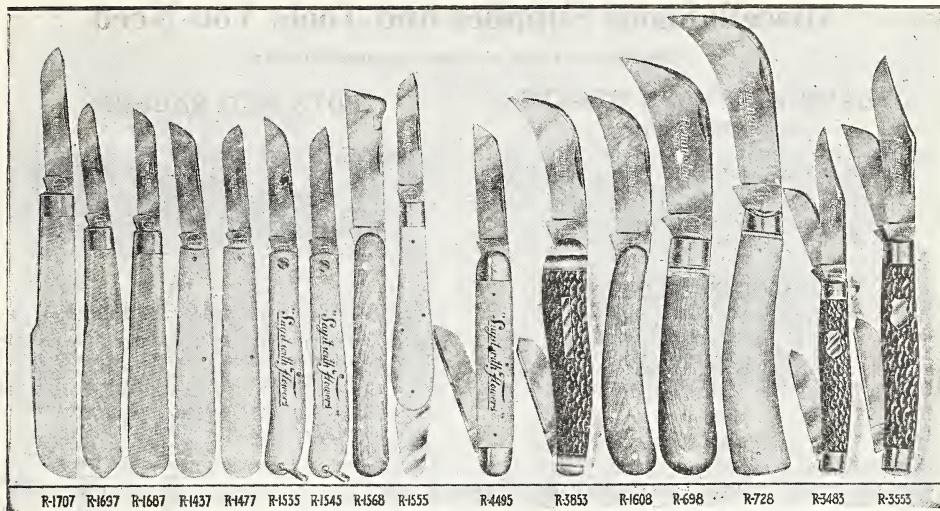
### MOË'S LAWN WEEDER

Has slotted steel prong to hold the weed  
firmly and a light pressure on the handle re-  
moves it completely, root and all. Easy to  
use and does not mar the lawn. All steel,  
baked in black enamel. 35c; postpaid 45c.



"Alca" 5 In 1 Garden Tool

STANDARD MAKES OF HOES, RAKES, SPADES, SHOVELS, ETC., ON HAND AT ALL  
TIMES. CALL OR WRITE IF INTERESTED.



### REMINGTON HIGH GRADE FOLDING KNIVES

We stock this entire line (except the first 3 on left end of cut), as they seem to be the most popular among our gardeners, nurserymen and florists. Highest quality, strong and durable; all brass lined, except 1437-1477.

Number.	Price postpaid	Number	Price postpaid
3553.—Starting at right end of illustration. Stag handle. Excellent all-around knife .....	\$1.85	1555.—White bone, with budding tip....	1.65
3483.—Same as above, but smaller....	1.50	1568.—Black ebony handle, grafting....	1.50
728.—Wood handle, large pruning....	1.85	1545.—White bone, brass swivel.....	1.65
698.—Wood handle, pruning.....	1.50	1535.—White bone, brass swivel.....	1.65
1608.—Wood handle, pruning.....	1.35	1477.—White bone handle tapering to thin end tip.....	1.50
3853.—Stag handle, pruning.....	1.85	1437.—White bone handle tapering to thin end tip .....	1.35
4495.—White bone handle; good.....	1.85		

### HIGH GRADE PRUNING SHEARS

We offer a good assortment for every purpose for both professional and amateurs. **PRICES POSTPAID.**

NO. 44 (see cut).—Professional. Highest grade, best style and design; full polish, double brass springs. adjustable lock nut, 8½-inch. Price \$3.85.

NO. 46 (see cut).—Excellent style, full polish, strong and serviceable; 9-inch. Price \$2.25.

NO. 48 (see cut).—Large, strong, durable, black handle, polished blade 9-inch. Price \$1.50.

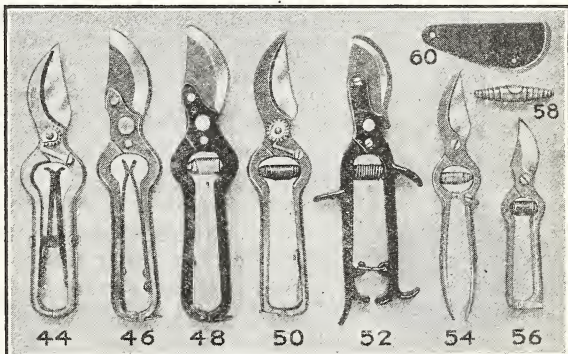
NO. 48-B.—Same style as 48, black handle, polished blade; excellent value. 8-inch. Price \$1.00.

NO. 49.—Same style as 48 but full polish, handles nicely, 9-inch. Price \$1.75.

NO. 50 (see cut).—Henckel's high-grade, full polish. Lock-nut, easy to handle, strong and easy cutting; 8½-inch. Price \$3.25.

NO. 50-B.—Same spring and shape of blade as No. 50. German make, full polish, high grade, 9-inch. Regular value \$3.50. Special, \$1.85.

NO. 54 (see cut).—Nickel finish, highest quality, excellent cutter; patent lock; 8-inch. Price \$3.25.



Pruning Shears

NO. 56 (see cut).—Nickel finish, excellent quality, for light pruning or cutting flowers; 5½-inch. Price \$1.75.

NO. 56A.—Same style as 56 but larger; 6½-inch. Price \$2.75.

NO. 56B.—Same as 56 but larger and stronger, handy size; 7-inch. Price \$3.00.

NO. 58 (see cut).—Extra springs. Each 25c.

### TREE PRUNERS

Long handle tree pruners, indispensable for pruning tall trees. Reliable make, with spring; 6 feet, \$1.75; 8 feet, \$2.00; 10 feet, \$2.25; 12 feet, \$2.50. Extra blades 35c each. See cut No. 60.

# Miscellaneous Supplies and Tools You Need

Remember to add postage if wanted by mail

## PLANT AND ROSE STAKES

Prices Not Prepaid

**ROUND STAKES.**— $\frac{7}{8}$  to  $1\frac{1}{4}$  inches diameter, painted green, white top. They will last a long time and always look neat. Per doz., 2 ft., 50c; 3 ft., 60c;  $3\frac{1}{2}$  ft., 75c; 4 ft., \$1.00;  $4\frac{1}{2}$  ft., \$1.35. Plain, not painted—4 ft., 50c doz.; \$3.50 per 100;  $4\frac{1}{2}$  ft., 75c doz.; \$5.00 per 100.

## WOODEN LABELS

The tree and pot labels we offer below are strictly No. 1 labels, smooth and well made. The painted labels are "really painted," not dipped in oil. Ordinary lead pencil writing on the painted labels is always readable; it will not wash off.

### Tree Labels

P. P. Wgt. 4 lbs.	12	100	M
Painted, copper wired.....	\$0.10	\$0.35	\$3.00
Unpainted, iron wired.....	.10	.30	2.50

### Pot Labels

Wgt. per M.	12	100	M
Painted, 4 in. (P. P. $3\frac{1}{2}$ lbs.)	\$0.10	\$0.35	\$2.25
Painted, 5 in. (P. P. $4\frac{1}{2}$ lbs.)	.10	.40	3.00
Painted, 6 in. (P. P. 5 lbs.)	.10	.45	3.50

### Garden Labels

Same style as above, but thicker and wider.

Wgt. per M.	12	100	M
Painted, 8 in. (P. P. 15 lbs.)	\$0.15	\$0.90	\$ 7.00
Painted, 10 in. (P. P. 20 lbs.)	.25	1.25	10.00

## POTS AND SAUCERS



No. 1      No. 2      No. 3      No. 4

Fig. 1—Fern Dish Filler; 2—Bulb Pan; 3—

Azalia or Fern Pot; 4—Standard Flower Pot. All styles same prices.

Size	Each	Doz.	Saucers Each
2 inches	\$0.03	\$0.25	
2½ inches	.04	.30	
3 inches	.04	.35	
3½ inches	.05	.45	
4 inches	.06	.60	\$0.05
5 inches	.10	1.00	
6 inches	.15	1.50	.06
7 inches	.20	2.00	.09
8 inches	.30	3.00	.12
9 inches	.50	5.00	.15
10 inches	.70	7.00	.20
12 inches	1.20	12.00	.30
Prices, by express or freight.			Not mallable.

## RAFFIA

Natural color, highest quality. Long fiber

Price per lb., 30c; 10 lbs. \$2.50; 25 lbs. \$5.00; postage extra. Write for quantity price.

## MOLE, GOPHER, MOUSE AND RAT TRAPS

### MOUSE AND RAT

**CHOKER** (see cut).—Easy to bait and sure to catch 'em. 4 holes. 20c each, 25c postpaid.

**OFFICIAL** (see cut).—Double acting trigger, extra heavy spring, hardwood base, lasting; sure to catch. **RAT TRAP**, 20c each, 2 for 35c; 7c extra by mail. **MOUSE**, 10c each, 3 for 25c; 3c extra per trap by mail.

**HOLDFAST**.—Most popular and best known bait or foot trigger trap. **RAT TRAP**, 15c each or 20c postpaid; 2 for 35c. **MOUSE**, 5c each or 10c each, 5 for 40c, doz. 65c, postpaid.

### MOLE AND GOPHERS OUT O' SIGHT MOLE TRAP

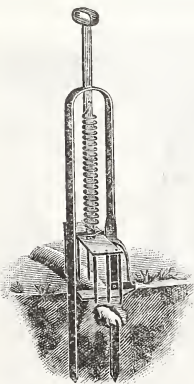
This has been the Standard Mole Trap for many years. It is absolutely reliable.

Directions for setting and full explanation of the mole's habits furnished with each trap. Heavy, powerful spring, malleable iron jaws.

Price, \$1.25; postpaid, \$1.35.

### CHUBBUCK DOUBLE CATCH TRAP

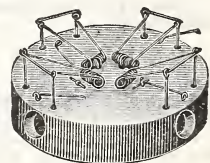
A box trap to set in the runway. Price: Each 75c, postpaid 80c; 2 for \$1.50.



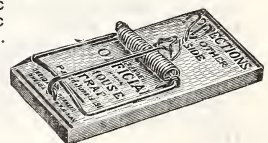
Reddick Mole Trap

### REDDICK

A very popular mole trap. 2 ft. high, 6 spear points, well made, lasting and durable. Each \$1.00 or \$1.30 postpaid.



Choker



Official



Holdfast

We give the P. P. (Parcel Post) weight so you can add postage if wanted by mail. Don't forget to send it extra.

## SPRAYS, INSECTICIDES, ETC.

**DON'T WAIT** until the fungi, such as mildew, rust, black spot, etc., have attacked your roses and trees; the fungicide sprays are merely preventatives and should be used in the fall or early in the spring. After the disease has developed, it may be too late to save the plant.

### Arsenate of Lead

For spraying trees and shrubs or plants against the attacks of leaf-biting or leaf-eating insects of all kinds, such as green worm, slugs, etc. Especially valuable for spraying to prevent the codling moth on Apple and Pear, and should be used just before the calyx cups close, for eating insects, whenever they appear. Can be combined with other sprays.

**SHERWIN-WILLIAMS' DRY POWDERED ARSENATE OF LEAD.**—Has many advantages over the paste, easier to mix and requires less, is more efficient on account of its extreme fluffiness and will adhere longer. Does not deteriorate. Use 1 to 2 lbs. to 50 gallons of water. 1 to 2 tablespoonsful to a gallon. Full directions on packages.

Price, ½-lb. can 25c; 1 lb. 45c; 5 lbs. \$2.00. (Not mailable.) Quantity price on request.

### Lime and Sulphur Sprays

Particularly effective in the control of the following: San Jose Scale, Oyster Shell, Bark Louse, Scale Insects, Fungus Diseases such as Peach Leaf Curl, Apple and Pear Canker, Apple Scab, Brown Root or Peach or Plum, Blister Mite, etc.

**LIME AND SULPHUR SOLUTION.**—The original and old form liquid spray for San Jose Scale. Use 1 part of this liquid to 9 parts of water for dormant spraying. We offer high grade quality. (Not mailable.)

Price, qt. 25c; gal. 75c; 5 gals. \$2.25; 50-gal. bbl. \$11.00.

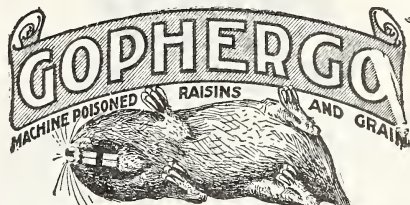
**DRY LIME-SULFUR.**—Sherwin-Williams' high grade dry powder. Overcomes disadvantages of the liquid material such as the possibility of freezing, leaky packages, hauling bulky packages, extra freight, etc. Has all the insecticidal and fungicidal qualities of the liquid material. Is absolutely safe and effective. From 12 to 15 lbs. Dry Powdered Lime-Sulfur dissolved in 50 gallons of water should be used as a dormant spray; from 3 to 4 lbs. to 50 gallons of water in combination with the usual proportion of arsenate of lead should be used for summer spray on all seed fruits such as apples, pears, etc. One-half this amount for peaches, plums, and all stone fruits. We can mail this, but send postage extra.

Prices: 1 lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.25; 25 lbs. \$3.75; 50 lbs. \$6.75; 100 lbs. \$11.00.

### Scale Destroyer

**"TARGET BRAND."**—A soluble oil spray of decided merit for San Jose Scale, the most effective for leaf roller, all tree infesting scale and most soft bodied sucking insects. Has many advantages over Lime and Sulphur Solution, as it spreads more rapidly, getting into every little crevice. Will go twice as far. Has no bad odor, does not discolor and much more agreeable to apply as it does not burn the eyes and skin; no clogging of nozzles, mixes easily. Use 1 gallon to 20 of water, after the leaves are off and up to time buds appear. For summer spray use 1 gallon to 100 gallons of water. (Not mailable.)

Prices: Qt. 50c; gal. \$1.50; 5 gals. \$6.75. Write for price per barrel.



**SURE DEATH TO  
GOPHERS, SQUIRRELS, PRAIRIE DOGS,  
RABBITS, RATS AND MICE.**

The only prepared poison that will get a gopher, never fails. They are sure to get it, they like it and they eat it. Has been tested and endorsed. Carry a small can of Gophergo when walking around your place and leave some where "signs" are discovered. Full directions on each can. Price, 10-oz. can, 50c.

### Bug Death

Non-poisonous to Humans, Birds or Animals, but it sure gets all chewing insects on vegetables, plants or trees. The only effective powder that destroys that little black bug or beetle that pesters and destroys tomato, bean and vine plants. Prevents blight, revives and aids in production and healthy growth.

Prices, 1-lb. cans with perforated shaker tops, postpaid, 35c. Not prepaid, 1 lb. 30c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$4.00. 100 lbs. \$15.00. Add postage if wanted by mail.

### Bug Death Alpha

Similar to above but fluffier and lighter. It is especially effective against aphids, lice and sucking insects. Non-poisonous. An excellent fungicide for mildew and blight.

Prices, 12-oz. cartons 35c, postpaid. Not prepaid, 5 lbs. \$1.00; 10 lbs. \$1.90. 25 lbs. \$4.25. 80-lb. keg \$13.50. Add postage if wanted by mail.



**DICKEY BUG DEATH DUSTER.**—For using when applying lime, dust or powder of any kind. For use on small gardens this is very handy. Saves powder, puts it on evenly and just where you want it.

Price: Each 50c, postpaid.



**ACRE AN HOUR  
DUSTER OR SIFTER.**—Bucket shaped straight sides, made of heavy tin good handle, holds 5 lbs. powder. A simple twist of the wrist does the work. As its name implies, you can cover an acre of plants in an hour. Each 75c; postpaid.

Spray material subject to market changes. Write for quantity prices. Poisons not mailable. Add postage if small package of mailable sprays or powders are wanted by mail.

## Sprays and Insecticides—Continued

The best and most economical method of spraying is with a hand or power sprayer



For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also recommended for combating crown borers in strawberries. Applied when setting plants or sprayed along the rows. "Carco" is highly concentrated; use 1 part "Carco" to 100 to 125 parts of water. Descriptive pamphlet and testimonials on request.

Prices:  $\frac{1}{2}$  pint 50c; pint 75c; qt. \$1.25.  $\frac{1}{4}$  gal. \$1.75; gal. \$2.75. BY MAIL:  $\frac{1}{4}$  pint 60c; pint 90c, postpaid.

### MAG-O-TITE

A powder to keep away and destroy root maggots, grubs and worms that injure root crops of all kinds. An insecticide for the same purpose as "Carco," but in powder form. Use 1 lb. for 75 foot row, a spoonful to a cabbage plant, etc. Full directions with powder.

Prices: 2-lb. carton 35c; 4 lbs. 60c; 25 lbs. \$2.50. Postage extra.

### WEED KILLER—Liquid

For Lawn Tennis Courts, Paths, Roadways and any other place where you do not want grass or weeds to grow.

Guaranteed to destroy weeds, grass, poison ivy and all undesirable vegetation. Keeps roadways and paths free from weeds. Cleans tennis courts and ball diamonds. An effective combination of high grade chemicals which diluted in water at 1 to 40 destroys the roots as well as the tops of all vegetation. One gallon diluted will cover 1,000 square feet; and one or two applications are sufficient for an entire season. (Not mailable.) Most effective when ground is damp—use an ordinary sprinkling can.

Price: Qt. 75c; gal. \$2.00; 5 gals. \$9.00. Write for price per barrel.

### TREE TANGLEFOOT

A sticky compound, easily applied in a band around the trunks of trees as a protection against all crawling insects. One pound makes about 10 lineal feet of bands and one application remains sticky 3 months or longer, rain or shine. Apply with a wooden paddle. Excellent to apply over fresh cuts after pruning or trimming. Keeps well. Prices: 1-lb. can 60c; 5 lbs. \$2.75; 10 lbs. \$5.25; 25 lbs. \$11.00.

### HELLEBORE—Key-Brand—Powdered

For the destruction of slugs, currant worms, etc. Poisonous to insects but not to human beings, therefore safe to use when fruits or vegetables are nearly ripe. Use as a powder or spray, 1 oz. to 3 gal. of water. Price,  $\frac{1}{4}$ -lb. 40c; 1 lb. 75c.

### PESTROY

This combines the insect destroying properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture. It is put up in dry, powdered form for convenient use, and can be used for either dry dusting or wet spraying. It is safe and efficient. Used as a powder just as it comes from the package, or in a solution, same strength Arsenate of Lead Powder.

Price,  $\frac{1}{2}$  lb. 30c; 1 lb. 50c; 5 lbs. \$2.00.

POWDER BLOWERS, SIFTERS, etc., pages 122-128.

NOTE.—Prices on Sprays, etc., subject to market changes. We are not allowed to mail poisonous sprays or insecticides.

### AN-FO NICOTINE SPRAY

Very effective against aphids and many other sucking insects. It's all ready to use by mixing a tablespoonful to 1 pint of cold water; 1 pint An-fo to 4 gals. water. Full directions on each can.

Prices:  $\frac{1}{2}$  pt. 35c, or 45c mailed; pint 65c or 75c mailed; qts. \$1.00; gal. \$1.75. Use 1 part An-fo to 8 parts water.

### BORDEAUX MIXTURE

For Blight, Mildew, Rust and Fungus Diseases. Also prevents and cures Black Rot and Scab, and acts as a deterrent for insects on fruits and vegetables.

### BORDEAUX MIXTURE—POWDERED.—

This is a perfect dry Bordeaux Mixture concentrate in a dry powder. It is scientifically founded to insure perfect results, stays in suspension well and adheres to the foliage. It can be used in combination with other insecticides with an extraordinary degree of safety. For general winter use, 10 lbs. to 50 gallons of water; one-half strength for summer. (Not mailable.)

Price:  $\frac{1}{2}$  lb. 25c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.00; 25 lbs. \$4.00; 100 lbs., write.

### PURITAN LIME

A highly refined, pure lime product put up especially for the many household uses. A water purifier, water softener, base for lime water, etc. Full directions on each package. 1-lb. carton, 10c; 5-lb., 35c; postage extra.



A concentrated solution of nicotine sulphate containing 40 per cent nicotine. Indorsed by the foremost experts of the U. S. for red bug, green and wooly aphids, thrip, plant lice, codling moth, pear, psylla and all sucking insects.

Price, 1-oz. bottle 30c; makes 5 gal. spray;  $\frac{1}{2}$ -lb. can \$1.25, makes 47 gals. spray; 2-lb. can \$3.50, makes 240 gals. spray; 10-lb. can, \$13.50, makes 1,000 gals. spray. Full instructions with each can.

NOTE.—Fish oil soap (see next page), mixed in this solution makes it more effective and is necessary for perfect results. It makes it stick and last longer. Use 4 lbs. to 50 gals. solution. Full and detailed instructions with each can.

### NICO-FUME

The purest and most highly refined nicotine product offered for spraying, vaporizing and fumigation in Green Houses.

NICO-FUME LIQUID for spraying or vaporizing;  $\frac{1}{4}$ -lb. tin 75c; 1-lb. tin \$2.25; 4-lb. tin \$8.00; 8 lbs. (gal.) \$15.00. (Cannot mail.)

NICO-FUME FUMIGATING PAPER.—Quick, safe and effective for greenhouse work. Used and recommended by all large florists. Price per can of 24 sheets \$1.25 (wtg. 1 lb.); 144 sheets \$5.50 (wtg. 4 lbs.); 288 sheets, \$10.00. (P. P. wgt. 8 lbs.) Add postage if wanted by mail.

NICO-FUME TOBACCO POWDER.—Very effective for fumigating in greenhouses. Pour powder on bare ground or cement walk and light. Full information on cans. 1-lb. can \$1.25; 5 lbs. \$4.75; 10 lbs. \$8.50; postage extra.

See Powder Blowers and Sprayers, pages 122-128.

Dusting is the handiest, quickest and most effective way for the busy gardener. Keep a powder blower loaded and you're always ready for most anything at first appearance.

### CALISPRAY DUSTS

Manufactured from improved formulas by the latest improved machinery that preserves the strength of all ingredients. High grade dusts to be used sparingly. Remember a light covering all over is better than a heavy application. A powder blower is the ideal way.

**CALISPRAY DUST NO. 82.**—A very effective dust for all around garden use, containing nicotine for soft bodied insects, lead arsenate for eating insects and copper sulphate for mildew and fungus diseases. Price, 1-lb. cans 75c.

### ANFO—"BITE-FREE"

A fragrant powder to apply to the hands, bare arms, face and neck or to be burned like "incense," to keep mosquitoes and gnats away. It's great for campers, fishermen and the general public. The fumes will quickly rid a tent or room of flying insects. 1-oz. cans 35c, or postpaid 40c can, or 3 for \$1.10.

### SUNSET RODENT KILLER GAS BALLS

A new product of real merit to eradicate ground squirrels, prairie dogs, rabbits and pocket gophers. When these gas balls are lighted and rolled down into the burrow they produce a deadly, poisonous gas that carries death to any living rodent in the burrow.

They are non-explosive and non-poisonous to handle. Use one or two balls per burrow. Safe, sure and inexpensive. Full directions with each order. Price, 6 for 30c; doz. 50c; 3 doz. \$1.25, postpaid. Carton of 125 balls, \$3.00. Wgt., 14 lbs. Postage extra.



### Destroys Rats and Mice

"RAX."—While it is absolutely deadly to rats and mice, it is harmless to human beings, dogs, cats, poultry and birds. It may be used anywhere with complete safety.

RAX causes rats and mice to become sick and die, first transmitting the virus to others, causing the spread of the disease, thus increasing the mortality of the undesirables. They leave buildings and seek the open, where they remain until dead.

A veritable "flu" to rodents. Full directions each bottle. Price: 75c; postpaid, 80c.

### RAT-NIP

Very effective rat poison—they can't resist it. It's in paste in tin tubes—squeeze it out on bread, etc. Full directions on each carton. Price 30c.

### NIAGARA ALL-IN-ONE DUST SPRAY

A very effective material for preventing and destroying fungus diseases such as Mildew, Rust, Black Spot, etc., and all sucking and leaf-eating insects, such as Aphids, Lice, Green Worms, Red Spiders, etc.

Keep a Powder Blower full of this dust and use it often to prevent and destroy your plant "pests." Descriptive leaflet on request. Price, 1-lb. cans 40c; 5 lbs. \$1.50; 10 lbs. \$2.70; 100 lbs., write.

### BUHACH INSECT POWDER

Well and favorably known. For lice, flies, ants, fleas, moths, bedbugs, cockroaches, etc. Full directions on each package. Small bel-lows 10c, large 25c; 3-oz. pkg. 45c; 7c extra per pkg. for mailing.

### TALBOT'S INSECT POWDERS

Very effective and satisfactory. Prices, postpaid, 5c extra:

TALBOT'S ROACH POWDER—25c and 50c pkgs. By mail 30c and 60c.

TALBOT'S ANT POWDER—25c and 50c pkgs. By mail 30c and 60c.

TALBOT'S BED BUG KILLER—25c and 50c pkgs. By mail 30c and 60c.

### FLY-FOIL—A Fly Spray

Kills Flies, Moths, Mosquitoes, Roaches, Bed Bugs, Ants, Fleas, Lice and Spiders.

A new kind of spray that instantly seeks out the pests, forces them out of hiding and quickly kills them without the slightest danger as it is non-poisonous to human or animal life.

FLY-FOIL will not stain walls, woodwork or clothes; odor is pleasant and quickly passes away when windows are opened. Leaflet tells all and gives full directions for using.

PRICES: 8-oz. bottle with a mouth blower, 30c; 40c postpaid. Pint 50c, or 60c postpaid; qt. 90c; ½ gal. \$1.50; gal. \$2.75.

SPECIAL OFFER.—1 pint can and a good tin sprayer, only \$1.00 postpaid.

### "WOOD-LARK"

#### Squirrel and Gopher Poison

Guaranteed quick and sure, also very effective on wood rats, mice, etc. Use it so that the chickens or birds will not get it. Prices, by express only: 1-lb. can 50c; 10 lbs. \$4.50; 25 lbs. \$9.25.

### PRUNING COMPOUND OR PAINT

This paint has a heavy oil body which dries on the cut with a rubbery, elastic film that thoroughly seals up the open wound. It is dark olive green in color, comes ready to use with a stiff brush. Price, qt. 65c; gal. \$2.25

### GRAFTING WAX

For pruning or grafting or for covering fresh cuts.

¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; postage extra

### FISH OIL SOAP

For aphids, plant lice, etc. Best grade, ½-lb. bar 15c; 1 lb. 25c; 10 lbs. \$2.00; 100 lbs. market price.

UNSLACKED LIME.—For making whitewash, etc. (For garden lime, see page 7.)

Price, 5 lbs. 25c; 10 lbs. 40c. Add postage. Barrel prices on request.

### SULPHUR POWDER (Flour).

Lb. 10c; 3 lbs. 25c; 100 lbs. \$3.50

TOBACCO DUST.—Valuable as an insecticide. Lb. 15c; 10 lbs. \$1.25

### BLUE STONE-VITROL.

1 lb. 15c; 10 lbs. \$1.25; 100 lbs., write

### SULPHUR CANDLES, for fumigating.

Each 10c, postpaid 15c; 3 for 35c

**SPRAY EVERYTHING**—Adequate crop protection is the latest step taken by scientific agriculture—"SAVE BY PROTECTION."

## SPRAYS AND INSECTICIDES—Continued

### THREE GUARANTEED PRODUCTS FROM ANTROL LABORATORIES, INC.

#### SNAROL for Slugs and Snails



AT LAST a successful poison bait for our worst garden pest, the slimy slugs and snails.

SNAROL, a quick and positive control. SNAROL is a prepared dry meal all ready for use. No mixing or trouble; simply spread it around. SNAROL is a boon to gardeners, consisting of specially treated meal attractive to slugs and snails as food, but having the properties of speedily killing them after they have eaten it. One or two applications in the evening will completely eliminate slugs and snails. It is practical for use not only in gardens, but in hot-houses, nurseries, truck gardens or any place infested.

**METHOD OF APPLYING.**—After thoroughly wetting the premises, after a shower or during wet weather spread Snarol lightly over the wet ground. In the morning you will find numerous dead slugs and snails. Repeat this application after 2 weeks to destroy the young that have developed from eggs, which might have been laid in the ground. As these pests work at night, applications in the afternoon or evening is most effective. Directions on each package. Price: 1-lb. carton 50c; 3-lb. \$1.00; 25-lb. sk. \$6.25.

Do not place Snarol within the reach of fowls. Remember, slugs hide during the day and work at night.

#### FLYROL—"Fly Killer"

Flyrol is highly recommended and fully guaranteed. Will quickly destroy flies, moths, mosquitoes, roaches, bedbugs, fleas, etc. Flyrol is not injurious to plants, dress goods, furniture, etc. Has a pleasant odor, economical and satisfactory. Apply with a fine spray gun. Prices: Pints 65c; qts. \$1.20; gal. \$3.25. Descriptive leaflet on request.



#### ANTROL—"Ant Exterminator"

Use the Antrol System, which attracts the ant outside your house and quickly destroys the entire colony, whether the native black or the small brown Argentine.

ANTROL, which is the United States Government formula, is mildly poisonous and operates in this manner. It is highly attractive to the ant as food. On being located by the workers it is carried by them to the colonies, fed to the queens, drones, nurses and young, thus poisoning the entire family and, after a few trips, the worker himself. "GUARANTEED."

THE ANTROL OUTFIT consists of 12 everlasting, weather proof, covered feeding jars and 1 pint Antrol (see cut). Price complete, \$3.00. Extra pints of Antrol, 50c. Ask for descriptive leaflet that tells all.



## PRODUCTS FROM R. R. ROGER CHEMICAL CO.

On account of the large and growing demands on this Coast for high grade products, such as listed on this page, we decided after very careful investigation to stock the R. R. Roger Chemical Co.'s line. R. R. Roger is known as the best chemist in the West and his manufactured products are recognized by U. S. Government inspectors and experts as the "highest quality," A No. 1 products that are equaled by few and excelled by none.

#### Roger's "Ansep"

##### Best and Quickest Cleaner Made

An Antiseptic Coconut Potash Syrupy Soap of High Lathering and Cleansing Power

FOR "CLEANING."—For use in homes, hospitals, hotels, public buildings, restaurants, etc., as an antiseptic and rapid cleansing agent.

For varnished, painted, enameled or other surfaces of furniture or woodwork or linoleums.

Very rapid and easy, saves time and "elbow grease." Use  $\frac{1}{4}$  Ansep and  $\frac{3}{4}$  water, rub it on and wash it off with clear water. Ansep will not injure any surface if thoroughly washed or wet-wiped off.

PRICES, pint 50c; qt. 70c; gal. \$2.70; 5 gal. at \$2.30. Write for Bbl. price.

#### Roger's Furniture Polish

This polish cleans better and gives a more brilliant luster than any of the seven or eight kinds now on the market.

Prices: 8 oz. bottle 50c, postpaid 60c; qt. 80c; gal. \$1.80. Keg and bbl. prices on request.

#### Drain Pipe Solvent

##### EVERY HOUSEHOLD NEEDS THIS

Pipe solvent is easily soluble in water, generating great heat in dissolving. This heat and chemical action destroy by loosening and dissolving the gummy, slimy incrustations in drain pipes from sinks, bathtubs, washtubs, toilets, etc.—and accumulations of hair, grease, vegetable matter, cloth and similar substances.

Full directions on each container.

Prices: 1 lb. can 45c; postpaid 55c.

#### Roger's "Wax-Lax"

A PREPARED WAX LIQUID THAT CLEANS AND POLISHES.—For use on furniture, woodwork, linoleums, pianos, hardwood, waxed, oiled, painted or varnished floors. Full directions on containers.

PRICES: Qt. \$1.25; gal. \$4.00; bbl. at \$3.00 per gallon.

#### Roger's "Good for 3" Polish

A new kind of polish good for three uses—Automobiles, Furniture and Metals. It cleans rapidly and restores whatever luster there is beneath the soiled surface.

Prices: 8-oz. bottle 65c; qt. \$1.05; gal. \$2.80.

NOTE.—More information on any of above on request.

# PRODUCTS FROM R. R. ROGER CHEMICAL CO.— Continued

## "Pro-tex" (Fly Spray)

It "Protex" You Against Insects.  
Of all the different fly sprays we have tested and used we like the action, odor and quick killing effect of "Pro-tex" the best.

Others also claim it is "by far the most effective fly killer." "Pro-tex," like other fly sprays, is best applied in a fine spray gun (see sprayers, page 128) in rooms, tents or buildings. If you spray into the air and around windows and close the room for a short time all flying insects will be dead. "Pro-tex" can be sprayed onto any article and will slowly vaporize and leave no stain. Not inflammable at ordinary temperatures, is 98% active and contains no benzol, naphtha, gasoline or ether. Non-poisonous to man, animals or food when used as a spray. Cheap-est and best.

Prices: Qts. 75c; gal. \$2.50; 5 gal. \$11.50.

## Roger's Insecticide—(No. 48)

AS A FLY SPRAY use this in place of the much advertised FLY SPRAYS such as "FLY KNOCKER," "SO-BOS-SO, FLY AWAY. IT COSTS YOU LESS and is a BETTER PRODUCT. Spray lightly—or use damp cloth.

AS AN INSECTICIDE it is sprayed or atomized, undiluted, directly onto the bodies of such insects as mosquitoes, moths, gnats, cockroaches, bedbugs, lice and others. It is a contact spray and hence must be sprayed directly onto the insect bodies.

NO. 48.—Prices: 8-oz. bottle 50c; qt. 90c; gal. \$2.15; 5 gal. \$1.75. Write for 10 to 50 gallon prices.

## Crude Carbolic Acid

We have this in several grades, from 10% to 30%. Government recommends 25% so we will price 25% grade. Qt. 80c; gal. \$1.60; 5 gal. at \$1.25 gal.; 50 gal. price \$1.00.

## Roger's Sheep Dip—Disinfectant (No. 2233)

Carbolic Disinfectants are frequently called Sheep Dips. For Stock, Poultry and Sanitary Uses. For washing or dipping animals, such as sheep, hogs, dogs, cows, horses for mange, dandruff, scabies and skin affections, and lice, fleas, flies, etc. Make sure that the solution thoroughly penetrates to every portion of the skin and thoroughly wets all the hair. Also for many other uses. The directions on the containers gives full information.

NO. 2233.—Dilutes from 1 to 40 and up to 1 to 80 according to uses. Contains 15% of Tar Acid, not over 10% of water inert. The Phenol Coefficient is 2%. Very effective, best and cheapest.

Prices, qt. 75c; gal. \$1.85; 5 gal. at \$1.45; 10 gal. at \$1.40; 50 gal. at \$1.20.

## Roger's Pine Oil— (No. 1835)

For stock, poultry and sanitary uses. This product owes its germicidal power to the presence of 35% of steam distilled Pine Oil. It has a lighter, more pleasant odor than carbolic disinfectants. Dilutes 1 to 75 parts water.

FOR POULTRY.—A wonderful remedy for colds, roup, canker, chicken pox, etc. Full directions on label.

Prices, 6-oz. bottle 35c; postpaid 45c; qt. 85c; gal. \$2.05; 5 to 50 gal. prices on request.

## Roger's Liquid Soap

NO. 2310.—The highest grade of heavy Neutral Potash Coconut Soap in water solution, contains 18% to 19% anhydrous soap; contains no alcohol, glucose, sugar or glycerine and is best and cheapest to use. Quality Guaranteed. Pure natural light amber color, 8 oz. bottle, 50c, postpaid 60c; gal. \$1.75; 5 gal. \$1.40 per gal. Bbl. price, write.

NO. 2315.—Same as above plus green color. Same price.

NO. 2311.—Same as 2310, plus perfume, 10c per gal. extra.

NO. 2316.—Same as 2310, plus perfume and green color, 10c extra per gal.

## Roger's Liquid Tar Soap

NO. 2360.—It is a clear, thin liquid soap with great lathering and cleansing powers. It does not contain any added free caustic of any kind and can be used daily on the most delicate skin, leaving it soft and smooth, and yet it cleanses very quickly and efficiently. It is excellently adapted to washing the hair and leaves it soft, glossy and clean. It owes its germicidal power to the presence of Pine Tar which also seems to enhance a very marked lathering quality. No better soap made for "shampoo." PRICE, 8-oz. bottle, 50c, postpaid 60c; quart, 90c; gal. \$2.25; 5 gal., \$1.85 per gal. Bbls., write.

## Roger's Liquid Antiseptic Soap

NO. 2340.—A real high quality antiseptic soap for home, hospital and doctor's uses. It is the "Synol" type soap and owes its germicidal qualities to Crystal Phenol (Crystal Carbolic Acid). It is pleasantly perfumed to mask the Phenol odor. PRICES: 8-oz. bottle 50c, postpaid 60c; qt. 90c; gal. \$2.25; quantity prices on request.

## Roger's Vel-tex (Velvety Texture)

A delightful face cream, lightly antiseptic; not greasy or sticky. For dry, chapped skin from sun, wind or bathing, automobile, horse-work, etc., Vel-tex is O. K. It's great after shaving. Will not grow hair or down on any skin. Guaranteed to satisfy or money back. Price, 50c bottle, 60c postpaid.

## Liquid Soap Dispensers

These are neat and up-to-date. Round, glass (ball shape), with nickeled castings. Fill at the top, drips at the bottom only when plunger is pushed up. Descriptive, illustrated leaflet on request. PRICE, \$3.00 each. (Parcel post wgt., packed, 3½ lbs.) Special prices per dozen or 100. Write.

## Roger's Solvane

For brightening and cleaning tile, mosaic, brick, marble and smooth cement work.

For removing rust, lime and mineral stains from enameled vitreous or porcelain fixtures.

PRICES: 8-oz. bottle 50c; postpaid 60c; qt. and muck off of garage floors. Full directions on containers.

# Books You Should Read

The following list comprises the newest and best books covering the different subjects

## Garden Guide

**The amateur gardener's Handbook.** Thoroughly covering Vegetable and Fruit Raising. How to Plan, Plant and Maintain the Home Grounds, the Suburban Garden, the City Plot, How to Care for Roses and other Favorite Flowers, Hardy Plants, Trees, Shrubs, Lawns, Porch Plants and Window Boxes. With Chapters on Pruning, Propagation, Fertilizers, Insect Pests, Tools, Winter Storage, Canning, Birds, Garden Furniture and 1,001 Practical Pointers. Heavily illustrated with over 275 teaching plans and diagrams and reproduced photographs, all made expressly for this Standard Text Book.

Paper cover, \$1.10; cloth cover, \$1.65, postpaid.

## Milady's House Plants

This new book, written by an expert on house plants, is fully illustrated and gives the information every lover of plants needs to be successful. Don't let your beautiful palms, ferns and plants die. Cloth cover, \$1.10; paper cover, 80c.

## How to Grow Roses

By Robert Pyle. 189 pages with fine illustrations and colored plates. The one "best" book of its kind for the amateur. Postpaid, \$2.25.

## Roses and Their Culture

128 pages. By F. C. Hubbard. Clear and concise, for amateurs and professional growers. Cloth cover. Postpaid, \$1.50.

## Practical Plant Propagation

By Alfred C. Hottes. An exposition of the art and science of increasing plants for the nurseryman, florist and gardener, amateur or professional. No lengthy discussions, but facts are given quickly. 180 pages. Profusely illustrated. Cloth binding, \$2.15.

## Plant Culture

A new and complete guide—concise and authentic—by Olliver and Hottes. 444 pages. Cloth binding, \$3.65.

## Home Fruit Grower

By M. G. Kains. A simple and practical volume for the amateur, who seeks to grow high quality fruits for home needs. Pruning, sprays, etc. Nicely illustrated, 213 pages. Prices: Paper covered, \$1.10; cloth, \$1.65.

## A Little Book of Annuals

By Alfred C. Hottes. Written for the increasing throng of amateurs who grow flowers for the love of them. It is a reliable guide through the season of annual bloom. 128 pages. Price: Paper cover, postpaid, \$1.10; cloth binding, postpaid, \$1.35.

## A Little Book of Perennials

By Prof. Alfred C. Hottes. For the amateur and professional. Companion book to the Little Book of Annuals. Price: Paper cover, \$1.10; cloth cover, \$1.65.

## Practical Landscape Gardening

This new book, written by Robt. B. Gridland, is without a shadow of a doubt the best book we have read. Contains 91 illustrations, 67 sketches and 33 plans. Enamel paper, 266 pages, cloth binding. Price, \$2.65.

## Other Valuable and Worth While Books

Asparagus. Hexamer .....\$1.25  
Bulbs and Tuberos Rooted Plants. By Allen. Complete, practical. 312 pages. 2.25

Butter Making. C. A. Publow..... 1.25  
Making the Farm Pay. Bowsfield. 311 pages; cloth ..... 1.50  
Modern Dahlia Culture. By Waite. 126 pages, up to date, cloth cover..... 1.65  
New Onion Culture. Greiner..... 1.25  
Profitable Dairying. C. L. Peck..... 1.50  
Rhubarb Culture. New. Morse & Fiske. 1.25  
Silos, Ensilage and Silage. Miles..... 1.25  
Soiling Crops and the Silo. Shaw..... 2.25  
Success With Hogs. By Dawson. 268 pages ..... 1.50  
Tomato Culture. Tracy..... 1.25  
Tomato Production—New. By Paul Work. 128 pages ..... 1.50  
The Potato. Frazer..... 1.25  
The Strawberry. New edition by Fraser. 128 pages, cloth ..... 1.50  
Descriptive Leaflets on "Standard Gardening Books" on request.

## Bird Books

"CARE, FEEDING and BREEDING of CANARIES," by George L. Routledge, gives a volume of real information regarding Canaries. Also informs you how and what to use to overcome disease and trouble. It is based on many years of experience and study; 48 pages nicely illustrated and well printed on heavy book paper. WORTH A DOLLAR, but priced at 25c; postpaid, 30c.

Feathered Pets.—140 pages on breeding, care and food for Canaries, Finches, Parrots and all cage birds. Postpaid.....40c

Parrots and Talking Birds.....50c  
American Bird Fancier.....75c

## Cat Books

CAT CULTURE, Spratt's 15c; DOMESTIC AND FANCY CATS, by Jennings, covers all subjects, 85c. CATS, SHOW AND PET, by House, \$2.25; all postpaid.

## Books on Dogs

All About Dogs.—(Henry Vibert).....\$1.10  
Amateur Dog Book.—(Brutette)—Training, care and treatment. 150 pages..... .60  
Amateur Trainer.—(Haberbein) ..... 1.25  
Airdale, All About.—(Palmer) ..... 1.25  
Airdale Terrier.—(Buckley) ..... 2.50  
Boston Terrier—All About It.—(Axtell) .. 2.50  
Common Sense Dog Doctor.—Spratt's... .60  
Dogs of All Nations.—(Mason) ..... 1.25  
Fox Terrier.—(Dalzell) ..... .85  
Fox Terrier, The.—(Haynes) ..... 1.35  
Principals of Dog Breeding.—(Haynes) .. 1.25  
The Collie.—(Dalzell) ..... 1.00  
Shepherd Dogs.—Schooling and training.. .85  
Dog, Cat, Rabbit Pedigree Blanks—  
.....10c each; 3 for 25c; doz, 75c

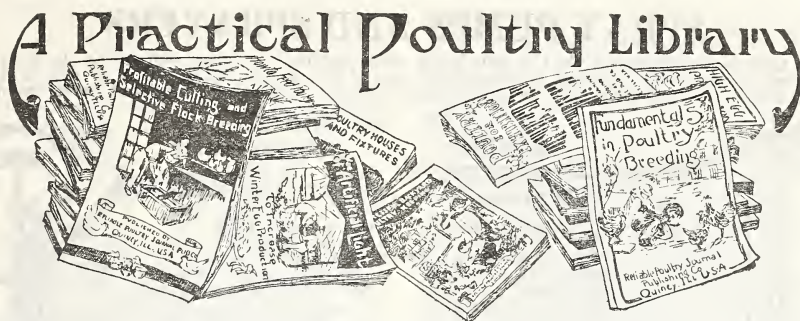
## Books on Rabbits and Cavies

GIBSON'S "NEW RABBIT BOOK.—The latest and most complete information ever published about rabbits. Latest edition, 200 pages, 5x7. Price, paper cover, \$1.25, postpaid; cloth cover, \$1.60.

WESTERN RABBIT BOOK.—Complete text book on the rabbit industry by C. A. Richey. Size 6x9 inches; 70 pages; paper cover. Price, 75c; postpaid, 80c.

THE BELGIAN HARE GUIDE.—Valuable instructive book. Size 6x9; 48 pages; illustrated; paper cover. Price, 35c, postpaid.  
CAVIES or GUINEA PIGS, \$1.00.

NOTE.—IF YOU WANT SOME PARTICULAR BOOK, WRITE.



**Poultry Books of Real Value.**—There is money in "Poultry" if you know how. Read what it has taken others to learn from years and years of time and experience.

#### USE OF ARTIFICIAL LIGHT TO INCREASE WINTER EGG PRODUCTION

The best book on this subject—in fact, THE ONLY COMPLETE ONE. Gives complete information on every important detail of the practical use of lights. Special attention to methods in use in the Northwest. Grant M. Curtis, 120 pages, 9x12 inches, profusely illustrated. \$1.50.

#### PROFITABLE CULLING AND SELECTIVE FLOCK BREEDING

By Homer W. Jackson. Nothing equal to this money-making book has been published in years. Only complete work published on culling. Fully describes all approved methods of selecting layers. 320 pages, 200 illustrations and 18 color plates. New edition, de luxe cloth cover, \$3.00. Paper cover, \$2.00.

#### HOW TO FEED POULTRY FOR ANY PURPOSE WITH PROFIT

By John H. Robinson. Complete, authoritative book on feeding all kinds of poultry—1921 issue and down to date in every respect. Tells what to feed and how to feed. Complete table showing nutritive values of all poultry feeds. 112 pages, 9x12 inches, beautifully illustrated. \$1.25.

#### SUCCESSFUL BACKYARD POULTRY KEEPING

New 1921 book, and a most practical guide for those who are keeping fowls in limited space, whether to supply eggs and poultry for the family table or as a source of income. Every beginner and city poultryman should have one of these valuable books; over 100 illustrations. 103 pages, 9x12 inches. Price, \$1.00, postpaid.

#### FUNDAMENTALS IN POULTRY BREEDING

The author, J. H. Robinson, has made a life study of this important subject and experts proclaim it a masterpiece. Remarkably illustrated by F. L. Sewell. The most complete book ever published on poultry breeding. Size 8½x12 inches, 160 pages. \$2.00.

**THE CHICK BOOK.**—Learn how to hatch and rear your chicks without loss. 80 pages, 9x12. 50c.

#### POULTRY HOUSES AND FIXTURES

Shows plans of low-cost, practical, and labor-saving houses, designs for inside fixtures, roosting coops, and coops for young chicks, and appliances for the poultry yard. 1926 edition; completely rewritten from cover to cover. Paper cover, \$2.00; cloth, \$3.00.

**AMERICAN STANDARD OF PERFECTION** Cloth, \$2.50.

#### HIGH EGG PRODUCTION BY INDIVIDUALS, PENS AND FLOCKS

Generally speaking, the foundation on which the commercial poultry industry rests is egg production. The only complete book on this subject. By Curtis and Jackson. Size 8½ by 12 inches; 128 pages, profusely illustrated, including two three-color charts. Art cover by Sewell. Price, \$2.00, postpaid.

#### POULTRY FOR EXHIBITION

Growing, conditioning, training, showing and judging. The one complete book published on this subject. To have "winners" you must raise them right and show them right. This 1921 edition tells you how to do it correctly. Size, 8½x12, 176 pages. \$2.00.

#### ARTIFICIAL INCUBATING AND BROODING

New edition, rewritten from cover to cover. Tells how to obtain strong-germed, fertile eggs; how to operate incubators and brooders. If you want to get good hatches and raise the largest possible percentage of chicks hatched, you need this down-to-date book. 112 pages, 9x12 inches. \$1.00.

#### POULTRY BREEDING AND MANAGEMENT

By James Dryden. This book is written for the man or woman on the farm who is interested primarily in making poultry pay. It gives in detail the latest and best systems of poultry farming, breeding, housing, feeding and incubation. Illustrated. 5½x7½ inches. 416 pages. Cloth, \$2.50.

#### GROWING DUCKS AND GEES FOR PROFIT

New and enlarged edition, complete in every respect. 448 pages, 200 illustrations. Cloth-bound, \$3.50; paper cover, \$2.50.

#### THE CALL OF THE HEN

Walter Hogan. Very valuable information, profusely illustrated. 130 pages, cloth bound. \$2.00.

#### EGG RECORD AND ACCOUNT BOOK

Complete, easily kept. Know what you're doing. 45c, postpaid.

#### SUCCESS WITH HENS

Very interesting. 234 pages. By Robert Joos. Cloth bound, \$1.35.

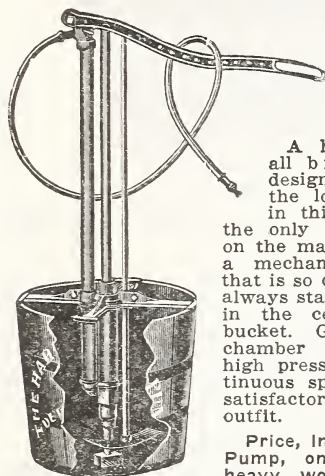
#### THE "BREED" BOOKS, ALL LATE AND "UP-TO-DATE"

Price, Postpaid  
 Aslatiks. 100 pgs., 9x12.....\$ .75  
 Campines. 88 pgs., 9x12..... .75  
 Leghorns. 144 pgs., 9x12..... 1.00  
 Orpingtons. 80 pgs., 9x12..... .75  
 Plymouth Rocks. 144 pgs., 9x12..... 1.00  
 Rhode Island Reds. 88 pgs., 9x12..... .75  
 Wyandottes. 160 pgs., 9x12..... 1.00  
 Ducks and Geese, for profit (P.C.) ..... 2.50

**SQUABS FOR PROFIT**, by Cox and Rive—150 pages. Complete in all details, illustrated, cloth cover. \$1.25 postpaid.

## SPRAY PUMPS AND SPRAYERS

Our experience shows us that if you get a good outfit, one large enough to do your work, you will spray well and as often as necessary; but if you get a cheap outfit or one that is too small, you will become disgusted, throw it aside and let this most important work go undone.



**HARDIE  
BUCKET  
PUMP  
NO. 110**

A high-grade all brass bucket designed to meet the long-felt want in this line. It is the only bucket pump on the market that has a mechanical agitator that is so designed as to always stand in position in the center of the bucket. Good-sized air chamber to maintain high pressure and continuous spray. A very satisfactory and handy outfit.

Price, including No. 4 Pump, one 5-gallon heavy wooden bucket, three feet best  $\frac{1}{2}$ -inch

hose, one spraying lance 18 inches long, one Vermorel nozzle, price complete \$11.50.

### NO. 28, WHIRLWIND WHITEWASHER

Made especially for whitewashing

A good, low-priced outfit.

Galvanized tin, brass plates, steel footrest, 3 ft. hose, double nozzle. (Wgt. 5 lbs.) See illustration. Price \$2.75

### HARDIE WHITEWASHING OUTFIT

A real outfit that will do perfect work easily and rapid. Strong pressure, continuous spray pump is securely fastened into a covered 8 gal. galvanized iron tank. Price complete with 10 ft. of hose, 8 ft. rod, leakless stopcock and Vermorel nozzle, \$15.00.

### NO. 32, BRASS BUCKET PUMP

Well made; all working parts brass; larger capacity; bulb air chamber produces continuous spray; works easily; two nozzles. (Wgt. 12 lbs. (See cut.) Price \$5.00

### UTILITY COMPRESSED AIR SPRAYER

This style is one of the most popular for all general work requiring a sprayer. It is adapted for spraying, whitewashing, disinfecting, for the application of glue sizing, etc. Size,  $7\frac{1}{4}$  by 20 inches; capacity  $3\frac{1}{2}$  gallons. Side seam closely riveted and all joints well soldered and tested. Pump cylinder made of brass with bronze ball check valve, which will not deteriorate like rubber; hose,  $\frac{1}{2}$ -inch, 5-ply, attached to tank by means of a standard hose connection of brass. Filling cap of ample size, easily removed without use of a wrench. Angle automatic shut-off nozzle, made of brass, new design with extension feature, equipped with strainer, and fine, medium and coarse spray nozzle caps. (P. P. Wgt. 12 lbs.)

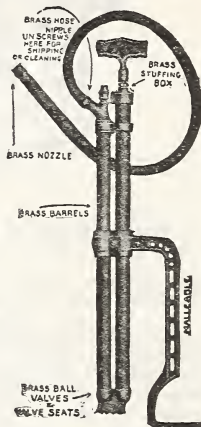
Prices: GALVANIZED TANK \$6.50; BRASS TANK \$9.25. (Add postage if wanted by mail.)

### NO. 26 O. K.

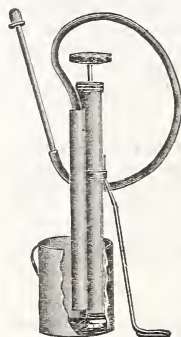
#### BUCKET PUMP

(See cut.) — Constructed entirely of brass. It is furnished with three feet of best quality rubber hose, detachable; malleable iron stirrup, three interchangeable brass nozzles which throw a fine mist, coarse spray or a solid stream. Pump is provided with large air chamber, with brass ball valves and valve seats. Throws a continuous spray; neat in appearance as well as durable in construction. Much superior to most pumps of this class. (Wgt. 8 lbs.)

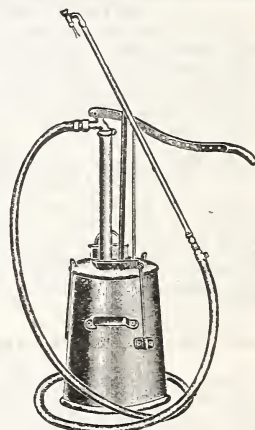
Price \$5.00



O. K. Bucket Pump



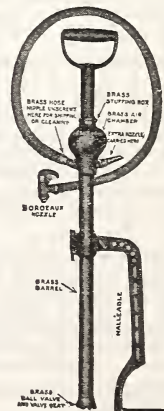
No. 28 Whirlwind Whitewasher



Hardie Whitewasher



Lee's Utility

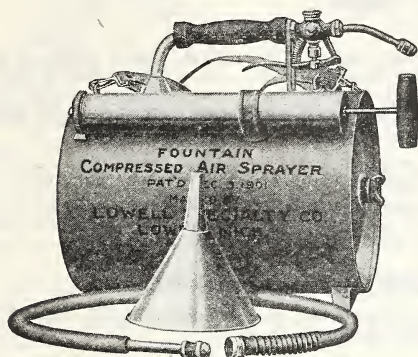


No. 32

**EXTENSION RODS.**—For reaching the tops of trees or ceilings, we can supply 3-foot brass extension rods to fit any bucket pump on this page. Price each 75c

**LOWELL FOUNTAIN SPRAYER**

Every city gardener, florist and poultry keeper needs a Lowell Fountain Sprayer; clean and easy to operate; no need to get any spray on your hands or clothes; will last for years with reasonable care.



Lowell Fountain Compressed Air Sprayer

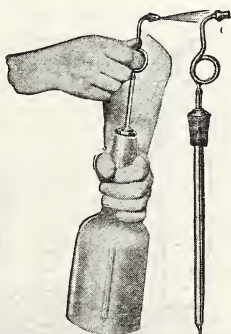
**NOTE.**—After testing all other sprayers of this style we claim "Lowell's" is the best—gives less trouble and more satisfaction.

**Special Features:** Capacity 3 gallons; can be carried by the handle (see cut), or a shoulder strap. The automatic controlling valve under the handle gives instant and perfect control of the spray and don't waste any. The air pressure pump is outside where you can get at it, the filler plug is well made and fits tight. The tank after being seamed and riveted is dipped into molten solder, making it absolutely air tight and the strongest Air Pressure Sprayer made, standing five times the air pressure necessary to operate.

Hose with a 4-inch rod, 2 nozzles and filler funnel, with each outfit. For reaching the under side of leaves of low bushes, use the vine attachment extension rod. For high spraying use as many two-foot extensions as needed. Descriptive booklet on request.

**Prices:** No. 111 brass tank \$9.00; No. 110 galvanized tank \$6.50. (Wt. boxed 14 lbs.)

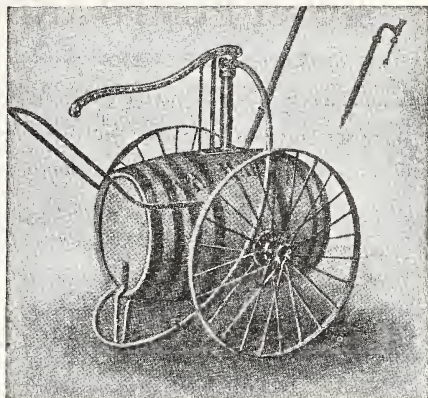
**Extras**—2-foot brass extension rods, each 75c; vine attachment, 2-foot extension with bent neck, each \$1.00. (P. P. 1 lb.)

**BOTTLE SPRAYER**

Made entirely of brass, nickel-plated and not affected by any of the spray solutions. The cork below the handle is long and tapering, made to fit any ordinary quart bottle. Is operated with great ease. Nozzle is adjustable for very fine or coarse spray. Very useful for spraying disinfectants, insecticides, etc.; also for spraying house

plants; also used for spraying birds.

**Price** (without bottle) \$1.50, postpaid.



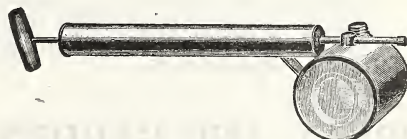
Hardie Wheel Outfit No. 21

**WHEEL OUTFIT NO. 21**

A most satisfactory outfit and one of our best sellers. Especially designed to meet the needs of the small fruitgrower, gardeners and florists, for all-round spraying. It has the capacity and power to do good work rapidly. Dairymen, poultry keepers and farmers will find this outfit most useful for whitewashing, disinfecting and general spraying. The 30-gallon barrel is mounted on strong wrought-iron wheels, 26 inches in diameter, with 1½-inch tires. No. 5 pump, 5 feet best hose and couplings, 8-foot bamboo rod and leakless stopcock. 1 Vermorel nozzle. **Price \$33.00**

**NO. 101-A GLASS TANK**

Well constructed; the glass reservoir which is a quart Mason jar, is not affected by any kind of spray. You can have several jars of different sprays (already prepared) and when you wish to change, take out one and put in another. No delay. Extra long air chamber, special plunger and throws a strong, fine spray in any direction. (P. F. weight, packed, 5 lbs.) **Each \$1.25; boxed and prepaid, \$1.50**



No. 5 Continuous Sprayer

**NO. 5 CONTINUOUS SPRAYER**

Improved style. Highest quality metal throughout, strong and durable. Has 2 spray caps, one for spraying up, the other for straight ahead or at any angle. So constructed that it not only sprays on the downward stroke of plunger, but also when it is drawn back, thus causing a continuous mist-like spray, enabling one to spray three times as fast and with one-third the labor. Length, 20 inches. Capacity, one quart. (P. P. weight, 2 lbs.)

**Each, TIN, 90c; GALVANIZED, \$1.15; BRASS, \$1.25. Boxed and postpaid, 25c extra.**

**REMEMBER**—Our New East Side Store, corner East Stark Street and Grand Avenue, carries a full line of all stocks we catalog. No traffic congestion or parking limit there.

## SPRAY PUMPS AND SPRAYERS—Continued

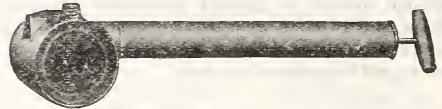
### PERFECT SPRAYERS

The "Perfect" Sprayers offered below are well and properly constructed of heavy, high-grade material. We offer "Highest Quality," far superior to most makes. Full size, 20 inches long, capacity 1 quart. Adapted for all kinds of general spraying. Your choice of styles.

NO. 119 or NO. 125, TIN. (P. P. weight 2 lbs.) Your choice, each 50c. Boxed and postpaid, 75c.



No. 119 Perfect



No. 125 Perfect.

NO. 126 GALVANIZED.—Same style as No. 125. More durable. Each 75c, postpaid 90c.

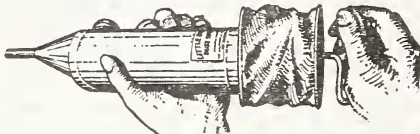
NO. 127 BRASS.—Same style as "125" but all brass, will not rust or corrode. Each \$1.00, postpaid \$1.25.

NO. 118 TIN MIDGET.—Same style as "125" capacity 1 pint. Each 45c, postpaid 60c.

NO. 122 TIN BABY MIDGET.—Very similar to No. 125. Mighty good for light use. ½ pint. Each 35c, postpaid 50c.

### Powder Sprayers, Blowers or Dusters

These are used for applying Sulphur, Bug Death, Bordeaux, etc. Add postage if wanted by mail. Dry powder insecticides are becoming more popular each year.



Little Beauty

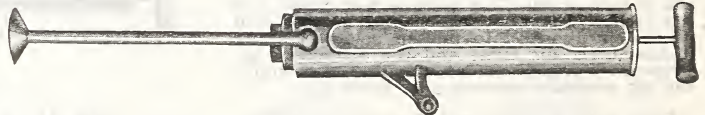
**LITTLE BEAUTY DUSTER.**—Most powerful hand duster. The powerful bellows will drive a cloud of dust 12 to 15 feet. For quick and effective garden work or on small trees use the Little Beauty. This blower will please you. 15 inches over all.

Each \$2.75; postpaid, \$2.85.



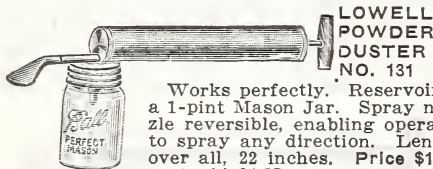
No. 1 Garden Duster

**CALISPRAY GARDEN DUSTER.**—The best made low-priced duster, works easily and throws a good cloud of dust. Excellent for small garden work. 16 inches long over all. Each \$1.25; postpaid \$1.35



Niagara Dust Gun

**NIAGARA DUST GUN.**—Very popular style, easy to produce a thin cloud covering everything as it goes. Gun well made and durable. Each \$1.50, postpaid \$1.65.



LOWELL  
POWDER  
DUSTER  
NO. 131

Works perfectly. Reservoir is a 1-pint Mason Jar. Spray nozzle reversible, enabling operator to spray any direction. Length over all, 22 inches. Price \$1.00; postpaid \$1.25

### Small Dust Guns

For applying insect powder upon birds or poultry these little guns are unsurpassed. Too small for garden work.

**DEFENDER.**—1-oz. size, 20c; postpaid 25c.  
**WHIRLWIND.**—4-oz. size, more force, 35c; postpaid 45c.

## SPRAY AND GARDEN HOSE

Routledge Highest Quality—Guaranteed

This hose gives excellent satisfaction. Good enough for any ordinary spraying outfit, and by far the best hose for florists' or garden use. One customer reports that he used a 50-foot length of this grade for four seasons continuously, which proves that it is the cheapest hose to buy.

Price per foot, smooth or corrugated, ½-inch, 12c per foot; ¾-inch 15c; coupling free on 50-foot lengths.



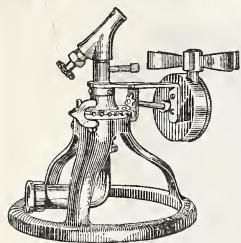
Our Motto  
"HIGHEST  
QUALITY"

Garden and Spray Hose

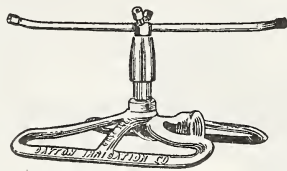
For Hose Nozzles and Sprinklers, see page 126; Lawn Mowers, page 119; Garden Tools and Supplies of all kinds, 114 to 120.

# DAYTON ROTARY and OSCILLATING SPRINKLERS

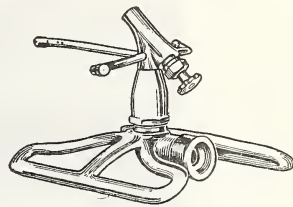
## Three Styles of Real Merit



Lawn Type "A"



Lawn Type "C"



Lawn Type "B"

Dayton Sprinklers meet all the requirements perfectly. They are automatic, require no attention after they are set to suit. We have tested out the three styles illustrated here and we are delighted with results. They do all that is claimed for them. We would like to devote a full page to them but space will not permit, but we offer illustrated and descriptive leaflets to any one interested in the latest and best lawn or garden sprinklers.

**LAWN TYPE "A".**—Adjustable at will from a bell-shaped fine spray or full stream in a half or full circle, 15 to 80 feet diameter. A wonderful sprinkler for large lawns or grounds. (Weight packed 10 lbs.) Price \$10.00

**LAWN TYPE "C".**—Adjustable from 5 to 50 feet and from heavy to light spray. Operates on light pressure. A wonder in action. A real rain storm. Best low-priced sprinkler on the market. (Weight 2 lbs.) Price \$3.25

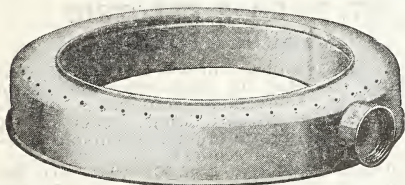
**LAWN TYPE "B".**—Ideal for the small lawn. Adjustable from 3 to 50 ft., high or low speed, perfect in action. Will operate on a 1-lb. water pressure. (Weight packed 3 lbs.) Price \$5.00

### DAYTON GARDEN TYPES

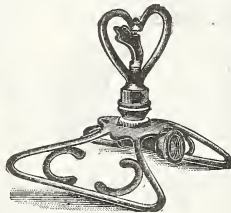
Top or sprinkling heads only for attaching to stand pipes. G. T. Style "A", \$3.00; G. T. Style "B", \$4.00; G. T. Style "C", \$2.50.

### RAIN MAKER PIPE SPRINKLERS

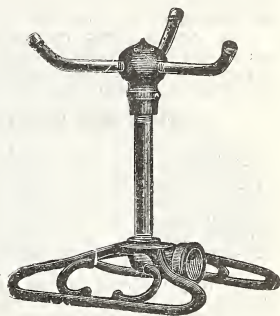
Made of ¾-inch iron pipe punctured so as to throw the water up and outward from each side. Brass couplings (descriptive pamphlet on request). Size 3 ft., 4 ft., 6 ft., 8 ft., 10 ft., all priced at 50c per foot.



Fountain Sprinkler



Busy Sprinkler



Pluvius Sprinkler

**Pluvius Lawn Sprinkler.**—11 inch, upright, standard, well made, perfect action, 3 brass arms. (P. P. 4 lbs.) Each \$2.00

**Busy Lawn Sprinkler.**—Covers 15 to 30-foot circle. Very popular, but requires good force. (P. P. 3 lbs.) Each \$1.00

**BUSY SPRINKLING TOPS.**—For stand pipe ½ or ¾ inch. Each 35c; 40c postpaid

**Fountain Sprinkler.**—Circular brass tube. Large \$1.00; Small 75c; Half Circle, Small 60c; Large 85c (postage 10c; any style).

**Little Wonder Fountain Spray.**—Very good; covers 15 to 20-foot circle. (P. P. 1 lb.) Each 50c

**No. 31.—Diamond Hose Nozzle.**—Best for sprinkling; adjustable from solid stream to a fine spray. (P. P. ½ lb.) Each 90c

**Fountain Shower Hose Nozzle.**—Makes a very fine mist-like spray. 25c; 30c postpaid

**No. 41.—Perfect Hose Menders.**—Best mender made; simple and quick; nothing to catch; sure to hold. Postpaid ½ in., 15c; ¾ in., 20c

**No. 40.—Garden Hose Connections.**—Both male and female couplings.

½ in. or ¾ in., paid 35c (6 oz.)

Hose Washers.

Doz. 10c, postpaid

**No. 45.—Metal Mender Tubes.**

½ in. or ¾ in., each 10c, postpaid

**No. 42.—Hose Clamps, single band.**

½ in. or ¾ in., each 10c; 2 for 15c, postpaid

**No. 44.—Hose Clamps, double band.**

½ in. or ¾ in., each 15c, postpaid

### Spray Pump Nozzles

Single Bordeaux (Best for Whitewash)...\$1.25

Single Vermorel (Very Fine Spray)..... 1.00

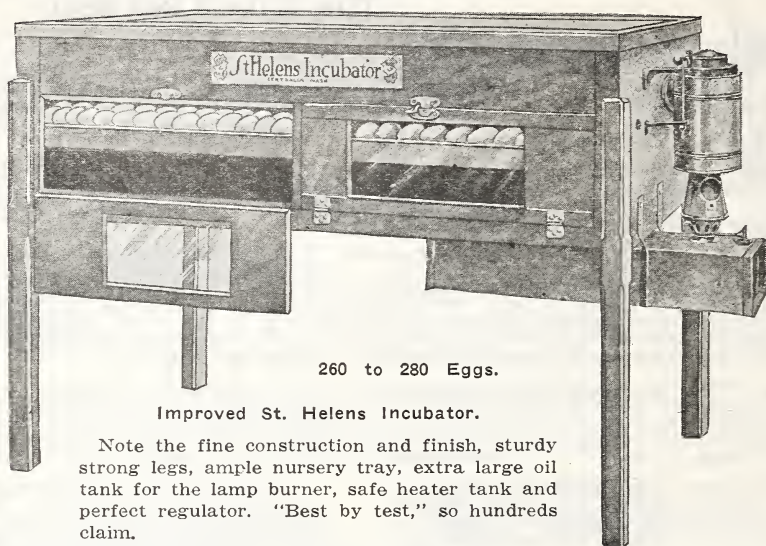
### BAMBOO EXTENSION RODS AND EXTRAS

These are necessary for spraying trees. Our stock is made up in the best possible manner. No. 1 bamboo poles lined with either aluminum or steel tubing, screw threaded into brass connections at either end. Stopcock or cutoff necessary to make connections complete.

	6 ft.	8 ft.	10 ft.	12 ft.
ALUMINUM LINED .....	\$3.00	\$3.25	\$3.50	\$3.75
STEEL LINED .....		2.60	2.90	3.20

EXTRAS FOR EXTENSIONS—Stopcock, each \$1.20; Angle Cutoff, \$1.50; Dip Guard, 40c.

# ST. HELENS ————— HOT WATER AND ELECTRIC ————— INCUBATORS



260 to 280 Eggs.

Improved St. Helens Incubator.

Note the fine construction and finish, sturdy strong legs, ample nursery tray, extra large oil tank for the lamp burner, safe heater tank and perfect regulator. "Best by test," so hundreds claim.

We have made arrangements to be sales agents for these up-to-date, well-made, successful hatchers. The 1926 St. Helens Incubators are the result of 24 years' practical experience by a practical poultryman who knows "what's what" and who has made a real success, and who is willing to let you be the judge. They are fully guaranteed for 10 years.

**A COMPLETE CATALOG ON REQUEST.**—Limited space in this catalog will not permit us to give a detailed description and full illustrations, but we will gladly mail a copy of the large 32-page St. Helens catalog, and a careful reading of it will convince you of the superiority of these practical hatching machines.

## Prices Hot Water St. Helens

Capacity	Weight	Prices
Hen Eggs	Crated	Complete
60-70 eggs	45 lbs.	\$14.00
130-140 eggs	100 lbs.	27.00
260-280 eggs	160 lbs.	42.00
390-420 eggs	215 lbs.	50.00
520-560 eggs	250 lbs.	69.00

## ST. HELENS ELECTRIC INCUBATORS

The most complete, practical and efficient incubator operated by electricity. Successful in every way. Convenient, safe and no trouble—simply attach to any lamp socket of 110 volts (other voltage to order). Complete catalog tells all, free on request.

130-140 egg capacity, \$42.00; wgt. 100 lbs.  
260-280 egg capacity, 55.00; wgt. 170 lbs.  
520-560 egg capacity, 110.00; double deck  
Mammoth, up to 1680 capacity—see catalog.

An order direct to us entitles you to free access to the St. Helens Poultry Book Library of 32 volumes. You pay postage on books only—keep them 10 days and return for another.

## St. Helens Electric Brooder

### ST. HELENS ELECTRIC BROODER

The best electric brooding device on the market today. Operates at a low cost, easily regulated, automatic in control, gives proper ventilation. Has pilot light, thermometer, extension cord, felt yard.

#### PRICES WITH FULL INSTRUCTIONS AND FEEDING CHART

No. 2, 32-in. hover, 200-chick capacity, \$22.00; No. 3, 42-in. hover, 350 chicks, \$30.00; No. 4, 52-in. hover, 500 chicks, \$38.50; No. 5, 60-in. hover, 750 chicks, \$52.00.

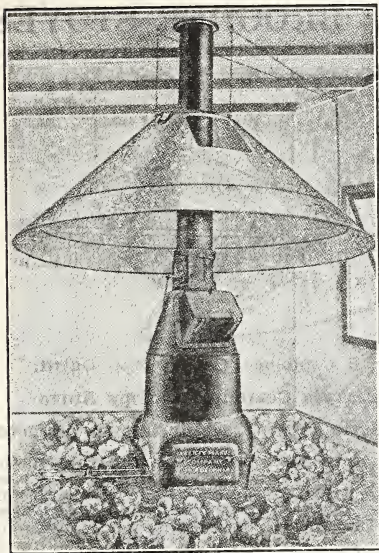
#### Electric Perfection

A very good, low-priced electric hover that will give satisfaction and care for 50 to 100 chicks. All complete for \$4.75, or \$5.00 delivered.



St. Helens Electric Brooder.

**QUEEN INCUBATORS.**—We have sold Queen Incubators for years and they are excellent machines. If interested in them write for descriptive catalog of the latest models. We will make **SPECIAL LOW PRICES** on the sizes we have in stock.



Marvel Brooder Stove.

## MARVEL COAL BURNING Brooder Stoves

Made to Burn Western Fuel.

Here is a stove especially adapted to burning of low grade coal, bark, briquettes or coke. The only coal stove made with large fire box and wide grates, with a strong upright handle shaker (cut does not show it). Heavy cast iron body, made correctly, straight sides, no clogging of fuel. Heat regulator (not plainly shown in illustration) is composed of a double thermostat that opens a draft at the bottom or closes a real effective damper in the stove pipe collar at top. The safest and best regulator to date. Note the extra large fire box and base. Made larger and heavier than any other coal brooder stove on the market. If you want a coal stove that will give you large fuel capacity for an all-night fire and will burn cheap fuel, then you want a "Marvel." Shipped all complete with exception of stove pipe at the following prices: STOVE and 42-INCH CANOPY, \$25.00. STOVE and 52-INCH CANOPY, \$28.00.

## Queen Coal Stoves

This is a popular brooder stove, easy to operate, and a great favorite with many poultrymen.

Price, 52-inch canopy (capacity 1000 chicks), \$29.50, prepaid.

## 1926 Improved Sol-Hot Brooders

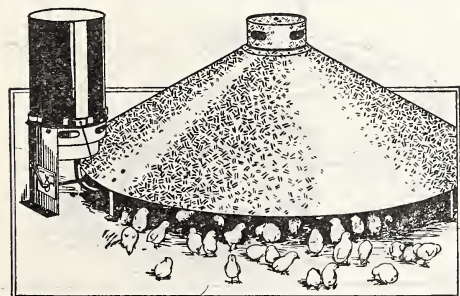
If you buy a "Sol-Hot" you will have the satisfaction of knowing you are getting one of the best. A brooder that will raise your chicks with less losses, less danger, less labor, less worry and with a minimum fuel expense. Can be used in most any kind of a light, properly ventilated room, brooder house or the open front poultry house with drop curtain.

**THERE IS A RIGHT SIZE SOL-HOT TO MEET EVERY REQUIREMENT.**—In the Sol-Hot the correct amount of heat for the various sized brooders is figured out scientifically. Each size brooder is equipped with a different size burner—a size that will furnish the proper amount of heat with the minimum supply of oil.

**EQUIPPED WITH ENCLOSING SCREEN AND FUEL ECONOMIZER**

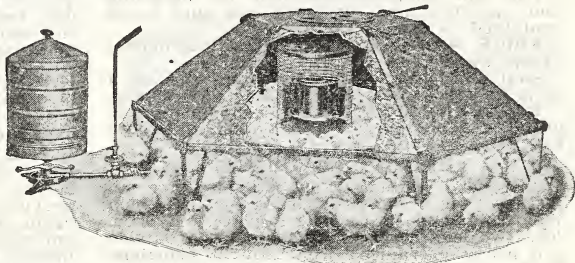
Size of Canopy	Chick Capacity	Prices Prepaid
24-inch	75 to 100	\$11.50
34-inch	200 to 300	17.00
44-inch	400 to 500	20.00
54-inch	600 to 1000	23.50
64-inch Giant	1000	27.00

**NOTE.—WE PREPAY THE FREIGHT.**



Nesco Brooder.

**WE SELL the Mailwin Electric Brooders.** Send for descriptive booklet.



Sol-Hot Brooder.

## Nesco Brooders

The burner, which stands in the center of the canopy and 12 inches above the floor, supplies clean, constant heat from a clear blue flame, and is spread evenly all around. Any gas or smell from the burner escapes directly to the ventilator in the center of the top of stove at a very low cost.

The 2-gal. supply tank is outside, connected by a long supply pipe. Regulation is controlled by the handle at tank. The burner is raised and lowered by a hand crank—no gears or ratchets to stick or wedge. The flame will stay exactly as set if you keep your oil clean and free of dust.

These heaters are safe, simple, economical and easy to operate. A reliable oil brooder stove at a very low cost.

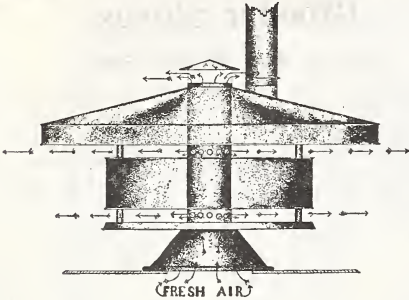
Please note we list these correctly as to capacity. They will properly brood that number.

### PRICES—FREIGHT PREPAID

42-in. canopy	400 chicks	\$14.00
52-in. canopy	600 chicks	15.00

To keep chicks from around and under the burner we suggest you make a circular 1½-in. mesh wire screen about 12 in. diameter; 15 in. high, to set on the floor, and enclose the burner.

# KRESKY'S "Pride of Petaluma" BROODER STOVES



Skeleton View of No. 2-B, Showing Fresh Air Intake and Heat Distribution.

## Kresky's Triple Ventilating Stove

We can highly recommend these brooders and have sold hundreds. Properly installed in good brooder houses they are unsurpassed. Our poultry expert and many poultrymen believe that the 2-room brooding plan without the "Canopy Top" is by far the better method when brooding chicks on a large scale. They will develop into healthier, better birds with less weakness and disease, and be less subject to paralysis. The No. 2-B is easy to operate, self regulating, gives no trouble and very economical on oil—about 3 gals. per 24 hours.

Full and complete directions for installing and operating are furnished free and found contained in the oil tank.

**PRICE PREPAID:** No. 2-B, all complete, except stove pipe, \$54.50.

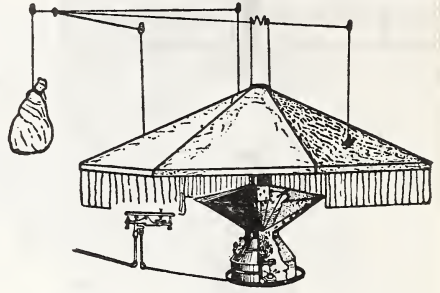
Radiator 42 inches in diameter, and as a room brooder will care for 1,000 to 1,500 chicks.

**BROODER HOUSE PLANS:**—Complete blue prints, lumber specifications and hardware list, price \$1.50.

## Stove Pipe Outfits

A special assembly of stovepipe for all Kresky Stoves consisting of 14 feet of 5-inch pipe, ceiling plate, roof pitch plate and hood. The two lengths of pipe usually used outside are heavy galvanized iron. Outfit complete, \$5.45, or \$6.00 prepaid if ordered with stove.

Kresky's Descriptive Catalog and Printed Matter Sent Free on Request.



No. 3 Combined Canopy Top Outfit.

## Kresky's Combined Canopy Stove

### New Style Canopy, 96 inches in diameter

This stove was introduced into the Northwest a couple of years ago to meet the demand for a large canopy outfit to operate in an open front, drop curtain, brooder house. Due to its special design all the heat generated is used to the fullest extent, making it possible to operate it at a much less cost than any other type of oil burning brooder of similar size. About 2 gallons of oil in 24 hours.

The heat deflecting cone is an exclusive patented feature found only in this stove. The ventilation under the canopy is provided for. The fresh air is heated as it enters through the base of the stove. The regulation is automatic and positive, and lets you sleep at night without worry. The burner is the standard Kresky, which is very simple and insures complete combustion.

Stove is the easiest to regulate, safest to use, cheapest to operate.

**THE CANOPY** is a neat, smooth job of heavy galvanized iron made in sections with special bracing feature underneath, which provides for making it snug and rigid as a drum and eliminates all possibility of buckling and sagging. A black oilcloth curtain is furnished, together with pulleys, ropes and hooks for raising and lowering it.

**PRICE:** Complete No. 3 Outfit, \$62.50; freight prepaid. Metal Canopy only, 96-inch, \$19.50.

## Sanitary Hover

Use these Sanitary Hovers and every chick will have a warm retreat during the day, sleep comfortably during the night and come out healthy, happy and hungry in the morning. The air is kept wholesome by diffusion through the cloth curtain. There are no drafts under the hover.

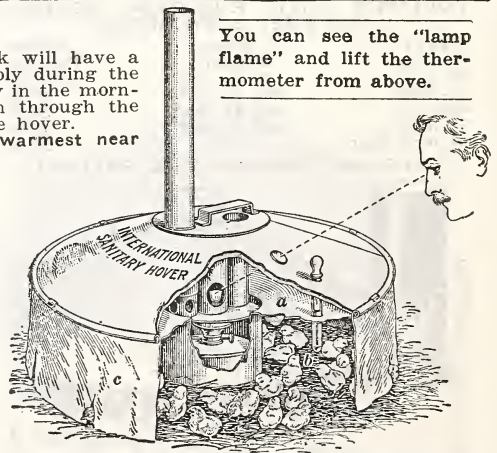
**CORRECTLY CONSTRUCTED.**—It is the warmest near the curtain. This causes chicks to distribute themselves around the edge of the curtain, where they have plenty of room and fresh air, as well as warmth. No deaths by crowding of the chicks to the center.

They are usable anywhere, ready for business wherever placed. All that is necessary is to place Hover where you want it and light the lamp. It's so easy to care for; no kneeling in litter and dust to get at the lamp as you lift it up and out by the handle on top.

Capacity 50 to 100 chicks. Price, \$16.50. (Wgt., packed, 25 lbs., but too large to go by parcel post.)

**BUTTERMILK IS A WONDERFUL FEED** for poultry, both young, growing stock and older birds. See pages 140-141.

**LOOK OUT FOR RED MITES** that hide away during the day and feed on the chicks at night. Use **ROUTLEDGE MITE LIQUID**. See page 142.



## Up-to-Date Egg Carriers

These are double strength and cushion frame on all sides. Note the illustrations carefully. Safe and reliable for the mailing or expressing of "fancy eggs" for hatching.

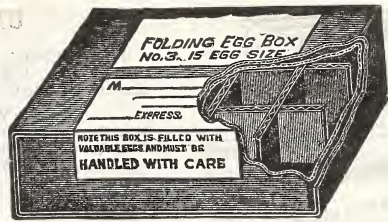
Size	Weight, Empty	Each	Doz.
15 egg	1 lb. ....	25c	\$2.75
1 dozen	12 lbs. ....	25c	2.50
2 dozen	18 lbs. ....	35c	4.00
3 dozen	28 lbs. ....	50c	5.50
4 dozen	35 lbs. ....	60c	6.50
8 dozen	45 lbs. ....	75c	8.00

Add postage if wanted by mail

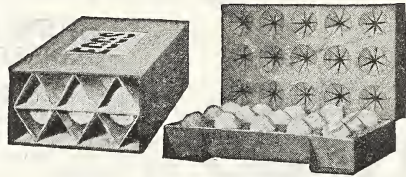
## Diamond Egg Carriers

Cushion Frame, Light, Strong and Safe. The "V" shaped fillers hold the egg in suspension.

Size	Doz. Wgt.	Each	Doz.
30 egg	23 lbs. ....	.50	5.00
50 egg	40 lbs. ....	.75	8.00
12 egg, Duck	18 lbs. ....	.35	3.25
Size	Doz. Wgt.	Each	Doz.
1 doz.	12 lbs. ....	\$0.30	\$3.00
2 doz.	18 lbs. ....	.40	4.25
3 doz.	28 lbs. ....	.55	5.40
4 doz.	35 lbs. ....	.70	7.00



15-Egg Size. Open Corner Showing Egg Cells.



Diamond Egg Carriers

Descriptive fully illustrated leaflet on request.

## Perfection Baby Chick Boxes

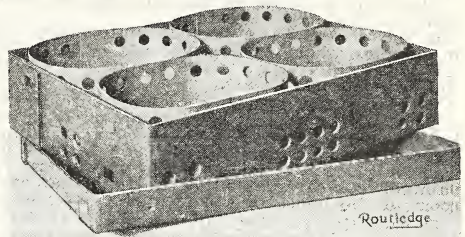
These insure the safe arrival of your chicks

New model—latest and best. No corners to crowd into, even temperature, perfect ventilation without direct draft on chicks. Extra strong, well made, best grade of corrugated cardboard. Shipped in the flat, but quickly set up by anyone. Order early and be sure of stock.

Size	Weight, Empty	Each	Doz.
25 Chick	P. P. 1 1/4 lbs. ....	25c	\$2.50
50 Chick	P. P. 2 1/4 lbs. ....	35c	3.50
100 Chick	Wgt. 3 lbs. ....	50c	4.75

Low price per 100.

NOTE.—Add ample postage if wanted by parcel post. 100 SIZE TOO LARGE TO MAIL.



New Perfection 100-Chick Box.

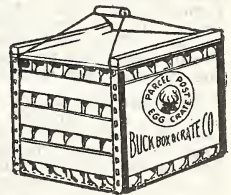


The Ideal  
12 Egg Packer

## Ideal Egg Box

Every poultry keeper who sells eggs should use these folding cardboard egg boxes to deliver eggs in. They are folded flat, but the corners are locked, all ready to open up and drop the eggs in. No errors in counting, as each holds just one dozen.

Price—Per doz. 20c (P. P. 1 1/4 lbs.); 100 for \$1.10 (P. P. 11 lbs.); 1,000, write for price.



Buck 12 Dozen  
Parcel Post  
Egg Crate

## Buck 12-Dozen Egg Crate

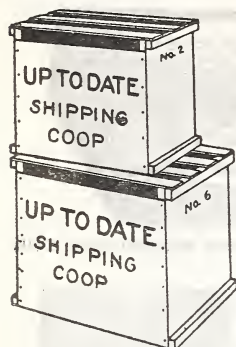
Made of wood, cardboard fillers. Very light, but strong; metal corners; holds 12 dozen eggs; lock wire bale, wooden handle. (P. P. weight 5 1/2 lbs., set up.) 12-Doz. Size, Each 75c.

**CHOLERINE.**—The perfect remedy—is a guaranteed preventative and specific for White Diarrhoea, Cholera, Roup, Limberneck, and all other germ diseases afflicting chickens, ducks, geese, turkeys and pigeons. Try it and be convinced. See page 142.

## Paint With "Lacq"

Lacq is a household "LACQUEROID" (enamel like) to finish woodwork, furniture and floors. A new and revolutionary finish that makes the **FINEST FINISH and DRIES IN ONE-HALF HOUR.** Paint your table at 5 o'clock and use it at 6. Paint your chair and sit in it within 30 minutes. You have never seen any other finish as rich and lustrous. Comes in most all colors. Hot water, steam, strong soap and scrubbing does not affect it. Send for descriptive leaflet and color card. We sell all kinds of paints, varnish, brushes, etc., at our East Side Store only.

"IT'S NOT A REAL PAINT."  
"IT'S NOT VARNISH."



## UP-TO-DATE SHIPPING COOPS

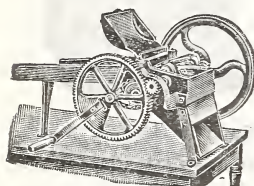
These coops are light, but strong. The ends have the cleats nailed on. We ship in the flat to save charges, but it's an easy matter to nail them together, for each part is marked.

	Width	Length	Height	Each	Doz.
No. 2	10½ in.	18 in.	24 in.	60c	\$ 6.60
No. 4	10½ in.	24 in.	24 in.	75c	8.25
No. 6	19½ in.	24 in.	24 in.	95c	10.75

For Parcel Post—No. 2 weight 10 lbs.; No. 4, 12 lbs.; No. 6, 18 lbs.

Capacity.—No. 2 suitable for single birds or pair Mediterranean. No. 4 for Asiatic male, American or Mediterranean pair or small trio. No. 6 for a pen of five birds, any variety.

## NEW MODEL CLOVER CUTTER



New Model

Cuts perfectly ½-inch lengths, dry or green hay or feed. Cutter bar is adjustable and easily accessible. The four 7-inch spiral steel knives can readily be removed for sharpening.

All made of iron and steel, strong and durable; has large capacity, runs unusually easy and will do perfect work indefinitely.

Length 28½ inches. Weight 70 lbs. Price \$18.00.

## PROGRESSIVE OAT SPROUTER

No other green feed takes the place of the wonderful quickening virtue of the young, growing oat sprouts.

The State Experiment Stations and the national egg laying contests all feed Sprouted Oats.

If you want lots of eggs in winter when the price is high and in summer when the grass is dry, feed Sprouted Oats.

If you want fertile eggs in spring and strong, virile chicks, feed the hens Sprouted Oats.

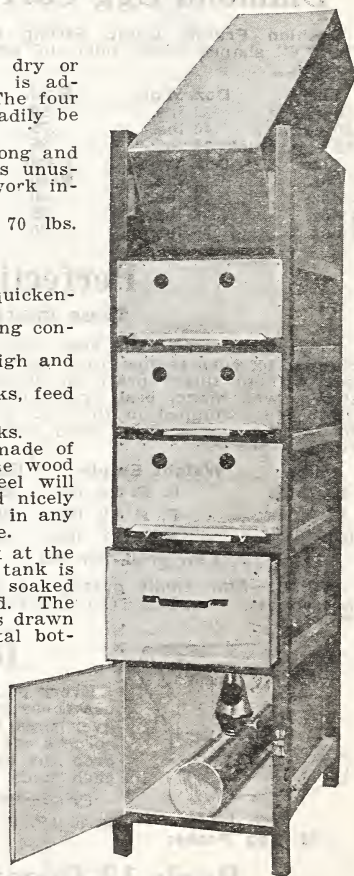
**THE PROGRESSIVE** is an ideal sprouter for large flocks.

The entire sprouter, with exception of frame work, is made of heavy galvanized steel. No checking, warping as with the wood constructed sprouters. The heavy coated galvanized steel will last for years. Frame work is of western red cedar and nicely painted. A neat substantial machine that can be operated in any room of the house or the feed room of your poultry house.

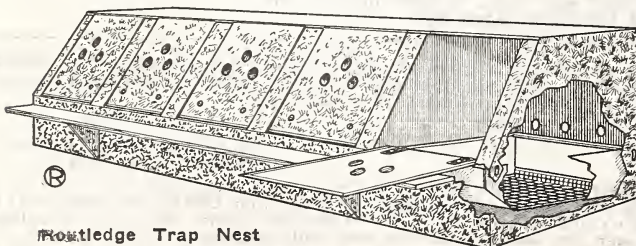
In operation the dry oats are placed in the soaking tank at the top and then covered with water. The next morning the tank is drawn forward about four inches and inverted, dropping the soaked oats into the first top section, and soaking tank refilled. The next morning the sliding metal bottom of the top section is drawn forward and the oats drop into the second section. Metal bottom replaced and soaking tank again emptied into top section. This operation is continued daily, the sprouted grain being removed each morning from the drawer at the bottom and new supply added to soaking tank.

The surplus water from soaking tank drains down through each section and supplies the extra moisture needed to maintain the humidity in the air in sprouter and around the germinating grain. Any surplus water drains out a small pipe at bottom, none of which comes in contact with the lamp.

Portland prices, with full instructions: No. 0, for 100 hens, \$9.00; No. 1, for 500 hens, \$21.00; No. 2-Double, for 1500 hens, \$47.50.



Progressive

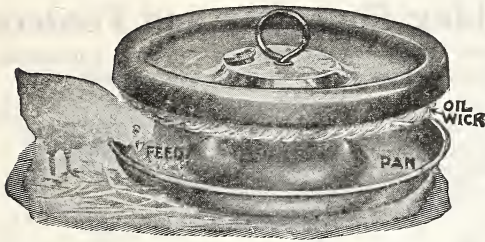


Routledge Trap Nest

## ROUTLEDGE SANITARY TRAP NEST

Correct in design, well made of strong, galvanized iron—simple in construction, yet positive in action. Nests roomy, well ventilated. Wire screen (¼-inch mesh), bottom prevents the hen from scratching. Door well supported when open, sure to close as hen steps in (a 2-lb. weight will trip it). Posi-

tively guaranteed in every way. No flimsy catches, hooks or wire to get out of order. Illustration (with corner cut out) gives you a good idea of this "up-to-date" sanitary nest. Five nests, 10x12 inches each, in a set. Price Per Set \$8.50. Quantity price on request.



Automatic Chick Greaser

## AUTOMATIC CHICK GREASER

(See illustration.) Let every chick rid itself of head-lice. The large lice that collect on the heads of young chicks cause them to droop and die. Save time and chicks by using an Automatic Chick Greaser. Saturate the wick with Conkey's Head Lice Ointment or a mixture of two-thirds lard and one-third kerosene, then put feed in the pan and every chick will get its head thoroughly greased in a very few minutes.

Can be moved from one pen to another.

Price \$1.25, or \$1.35 postpaid. Head-Lice Ointment, 10c and 25c tube, postpaid.

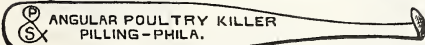
## PORTABLE ELECTRIC EGG TESTER

If you have electric service this is the only egg tester to use. The searchlight effect on the air cell illuminates the entire contents. Weak or dead germs, blood spots, cracked shells and clear, unfertile eggs are instantly detected after the third or fourth day of incubation.

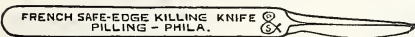
Absolutely guaranteed and used successfully by the largest California hatcheries. Price, \$5.00, postpaid. DESCRIPTIVE LEAFLET ON REQUEST.



## POULTRY KILLING KNIVES



ANGULAR.—Nickel plated handle.....50c



FRENCH.—Nickel plated handle.....50c



RUSSELL.—This is a very popular style. Full size, good grip, 4½-inch wood handle, highest quality 3-inch steel blade. Postpaid 60c

## Caponizing Instruments

Poultrymen can double their profits by Caponizing the young cockerels. The operation is easily learned. The instructions are so full and explicit that any one, after a careful reading and a little practice, will be able to caponize. FREE BOOKLET ON REQUEST.

LANDSDOWNE SET NO. 1.—Very popular, easy for the beginner. Price \$3.50, postpaid.

SIMPLICITY.—One of the safest and easiest outfits to use, devised by an expert. Descriptive leaflet on request. Price \$4.25, postpaid.

VALENTINE'S.—Made of high quality materials for a local breeder, who claims it is the most practical set yet offered. Illustrated leaflet on request. Price \$3.50, postpaid.

PHILADELPHIA is O. K. and has many admirers. Price, cardboard box, \$2.50; wooden box, \$2.75, postpaid.

REMEMBER, you should not feed chicks until they are 48 hours old, and then begin with Routledge H. Q. Chick Feed. See page 141.

## LIME AND GLASS EGGS



OPAL GLASS NEST EGGS.—Best grade heavy glass, correct shape. 3 for 10c; doz. 40c, postpaid; per gross \$4.00.

LIME NEST EGG.—Preferred by many; non-breakable. More natural.

Each, 3 for 10c; 12 for 40c, postpaid; per gross \$4.00.

Medicated or Lice Repellant.—Sale discontinued; government agents condemn them.

## EGG PRESERVERS

Water-Glass (Liquid).—This is the old, well-known egg preserver in liquid form. Use 1 part Water-Glass and 9 parts water to make the solution to cover the eggs. (Cannot be mailed.)

Prices: Qts., 40c; 2 qts., 70c; gal., \$1.15; 5 gals., \$4.50.

## COPPER WIRE NESTS

Prices: Each 20c; doz. \$2.25. Postage 7c each, 35c doz. extra.

NOTE.—Use Routledge Lice and Mite Liquid on the roosts. See page 141.

The Same Amount  
Of Feed Will  
Raise Each



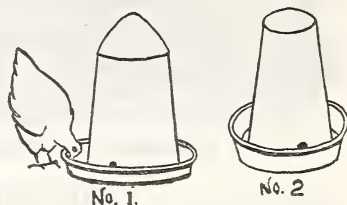
CORNELL.—One of the new sets. Highly recommended. Price \$5.00, postpaid.

## Up-to-Date Sanitary Drinking Fountains and Feeders

Increase your profits by saving the chicks. Start now by ordering sanitary, economical, up-to-date Fountains and Feeders. Note—When wanted by parcel post, add postage.

### Standard Fountains No. 1, No. 2

Made in two parts, pressed out of heavy galvanized iron; will last for years. Easy to clean inside and out. (See cut.) Price, 1-qt., 30c; 2-qt., 40c; 4-qt., 60c. (Add postage at 2 lbs. each if wanted by mail.)



### Sanitary Stone Fountain No. 3

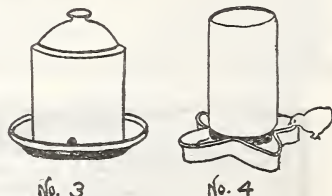
An old and popular style that keeps the water cool; see cut. (Not mailable.) Price, 1-qt. 50c; 2-qt., 75c; 4-qt., 90c; 8-qt., \$1.50. (Cannot send parcel post.) Store price, not packed, 45c, 65c, 75c and \$1.25.

### New Star Chick Server

Now made of bright tinplate so buttermilk as well as water can be used in it. Pint, quart or 2-quart Mason jar fits it. Price (without jar), 10c each, or 15c each, \$1.35 doz., postpaid.

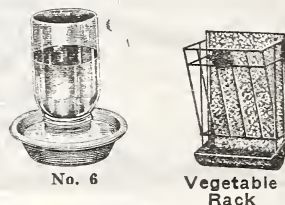
### Perfect Chick Server No. 6

Improved style. Enamel pan with high collar to fit any Mason jar. You fill the jar with water, buttermilk, grain or mash; screw on the pan and turn it over. Will not corrode or rust, and safe for medicines and buttermilk. Each 15c; doz. \$1.50, postpaid.



### Vegetable Rack and Feeder

For feeding greens, cabbages, etc. For rabbits put the hay or greens behind the wire rack and grain in the trough below. See cut. 9x13 inches. (P. P. wgt. 2½ lbs.) List price 90c; our special price only 75c.



### Champion Telescope Fountains

This is the best and most popular style. The full length telescope top pulls out, making it easy to clean inside. Set up on platform out of litter.

NO. 8 CHAMPION.—½ gal., 70c; (P. P. Wgt. 2½ lbs.); 1 gal., 90c, wgt. 3½ lbs.; 2 gal., \$1.20, wgt. 5 lbs.; 3 gal. with 3 cups, \$2.00, wgt. 10 lbs.; 3 gal. with 4 cups, \$2.75, wgt. 11 lbs. (Wgts. include packing for P. P.)

### Galvanized Feeders

Made of galvanized iron; soon pay for themselves in preventing waste. Sanitary, closed top self-feeders for granulated bone, beef scraps, grit, shells, charcoal, dry mash, etc. If these necessary foods are kept before your fowls they will eat just what their systems require for profitable results; in other words, properly balance their rations. Hang up out of the litter.

NO. 9 CHAMPION FEEDER.—Two compartments, one holds 3 qts., the other 6 qts. (P. P. wgt. 4½ lbs.). Each \$1.35. (See cut)

NO. 9-X CHAMPION FEEDER.—The same shape as No. 9, with one large 9 qt. compartment, good for dry mash. (P. P. wgt. 4 lbs.) Each \$1.00.

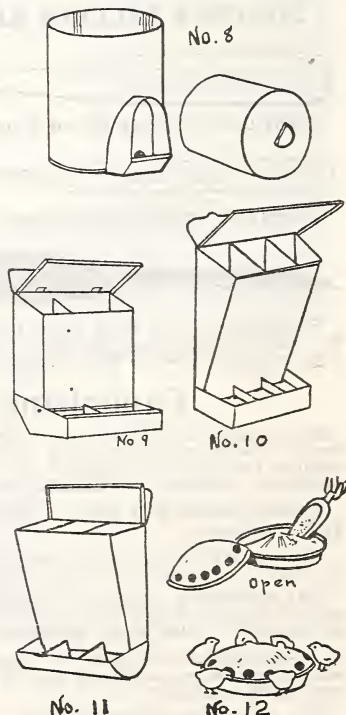
NO. 9XX CHAMPION FEEDER.—Extra large size of above style. One 12 qt. compartment. (P. P. wgt. 5 lbs.) Each \$1.25.

NO. 10 CHAMPION FEEDER.—(See cut.) Has 3 compartments, each holding about 1 qt. (P. P. wgt. 4 lbs.) Each 85c.

NO. 11 MOE'S.—Extra strong and well made; the feed trough at bottom is round. 3 Section, 3 pints each. (P. P. wgt. 4 lbs. Each 90c. 4 Sections (P. P. wgt. 5 lbs.) Each \$1.25.

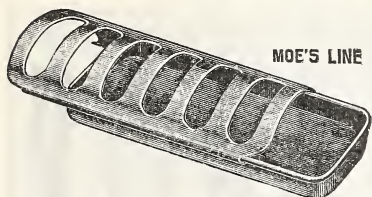
### Moe's Chick Server

NO. 12.—(See cut.) Practical and a great saver of feed. Chicks cannot get into it. For water or feed. 8-hole, Each 15c; Large, 12-hole, Each 25c. By mail 10c extra or 40c doz.



Don't forget to add postage if wanted by parcel post. Weights given are packed.

## SANITARY FOOD TROUGHS

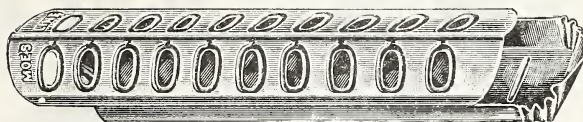


MOE'S LINE

Sanitary Food Trough No. 21.

For Poultry and Ducks of All Sizes.—Saves 15 to 25 per cent in foodstuff. Made of heavy galvanized iron; no sharp or rough edges to injure the birds; patent top, slides off. Safe, sanitary, saving and serviceable. (See cut.)

No. 21.—12-in. (P. P. wgt. 1¼ lbs.).....40c  
 No. 22.—18-in. (P. P. wgt. 2 lbs.).....60c  
 No. 23.—24-in. (P. P. wgt. 2½ lbs.).....70c

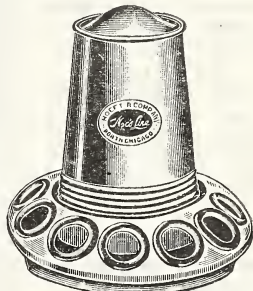


Small Chick Feeders.

## SMALL CHICK FEEDERS

Well made, sanitary feeders for feed, water or buttermilk. Made of heavy tinplate, sliding top easy to clean. No seams, rivets or solder.

No. 137—10 inches long, 10 holes; each 35c, or 45c postpaid. No. 138—20 inches long, 20 holes; each 50c, or 60c postpaid.



Adjustable Fountain.

## ADJUSTABLE FOUNTAIN

Magazine feeder and fountain, adjustable up and down to feed slowly or rapidly chick feed, mash or buttermilk. Heavy tinplate. Capacity about 2 qts., 12 feeder holes. No. 139—price 95c, or \$1.10 postpaid.

## MOE'S FEEDER AND EXERCISER

The best combined feeder and exerciser. Cannot clog. Swinging deflector scatters the grain all around, a little at a time.

No. 52. Holds 8 qts.; 22 in. high; wgt. 8 lbs. Each.....\$1.50  
 No. 53. Holds ½ bu.; 28 in. high; wgt. 9 lbs. Each.....\$2.00

## DRY MASH HOPPER

A hopper of the greatest merit. Made of heavy galvanized iron. Birds can't waste the feed and it's "rat proof" when closed.

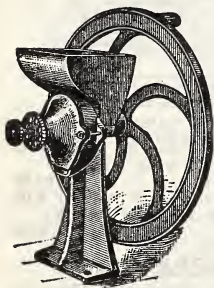
No. 36. 12 in. wide, (Wgt. 7½ lbs.), capacity 18 qts. Each \$1.60  
 No. 37. 24 in. wide, (Wgt. 12 lbs.), capacity 36 qts. Each \$2.25

## STOVER GRINDING MILLS

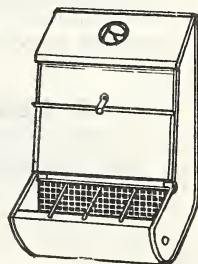
In these mills are embodied all the good features of other hand grinding mills to which have been added universal burrs, or grinding plates, that are quickly adjusted and locked for grinding coarse or fine. These mills will grind any kind of grain or seeds, dry bone, oyster or sea shells, crockery, etc. Made of high-grade castings of tested strength and excellent finish. Not suitable for green bones.

DESCRIPTIVE CIRCULAR ON REQUEST.

No. 32.—Has a 16-inch flywheel and is light running; the capacity is not equaled by any other of the same size. Weight 40 lbs. Price \$7.00.



Stover Grinding Mill

No. 36.  
Dry Mash Hopper.

**SEMI-SOLID BUTTERMILK MAKES MONEY.**—All poultry breeders recognize the great value of buttermilk, but the products obtainable have not been satisfactory, but now at last we have a guaranteed product **THAT WILL KEEP** and can be fed in paste form or creamy liquid. A money-maker for all poultrymen. See page 140.

## High Grade

### FOR POULTRYMEN

Without a reliable, accurate thermometer an incubator is practically worthless. Hundreds of hatches fail every year because of inferior thermometers and large numbers of brooder chicks are destroyed for the same reason.

### FOR HOT BEDS

### FOR FLORISTS

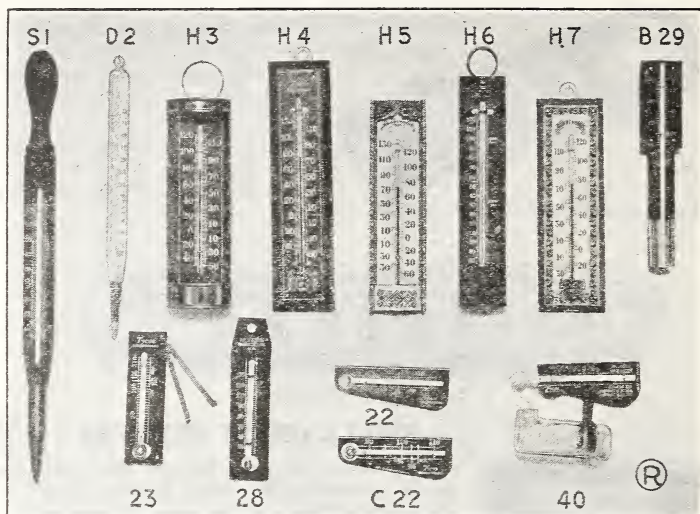
### FOR HOUSEHOLD

We carry in stock quite a nice assortment for all purposes. We illustrate and price the most popular kinds.

We sell the "Tyco's" tested, recognized as the most dependable.

## THERMOMETERS

## Tyco's Tested



## INCUBATOR THERMOMETERS

**TYCO'S CERTIFIED.**—Same style as No. 22. Scale is etched on glass tube as well as metal back. "Certified correct," worth the price. Each \$1.25, postpaid.

**NO. 22 "TYCO'S."**—Very popular. Can be suspended on a wire on level with eggs or set on the metal. Price \$1.00, postpaid.

**NO. 23 TYCO'S.**—Has folding legs, adjustable; to be set up in egg tray. Postpaid 95c.

**QUEEN SPECIAL.**—With metal holder. Price \$1.25.

## BROODER THERMOMETERS

**NO. 29½.**—Tyco's high-grade, white figures on black metal scaled from 60 to 130 above; temperature readable from above the cover. Postpaid, each \$1.50.

**NO. 29.**—Same style, silver face, black figures. Price \$1.00.

**NO. 30.**—Long, round wood holder. Used in International Sanitary hovers, also brooder houses. Postpaid, each, \$1.00.

**NO. 28 (see cut).**—To hang under the large hovers or for poultry houses; high grade, desirable style; scaled. \$1.00, postpaid.

**KRESKY'S SPECIAL.**—Extra large. Price \$1.00.

## FOR GENERAL USES

All under this class are spirit thermometers and have red liquid which make them easy to read. All prices postpaid.

**H-3.**—Polished copper, nicely finished, 7-inch. Price 90c.

**H-4.**—Wood back, red, 8½ inches; long, plain figures; full scale and high grade. Price \$1.50.

**H-5.**—Oak wood back, natural finish, 7½ inches long, very good. Price \$1.00.

**H-6.**—Black enamel finish, 8 in. long, full scale, easily read, highest grade. Price \$1.50.

**H-7.**—Metal back, best for little money; 7 inches long. Price 50c.

## FOR SPECIAL USES

**S-1.**—15-inch soil or hot bed thermometer, correctly made, brass point. Price \$2.50.

**D-2.**—All glass, floating, liquid or dairy style, 9 inches. Price \$1.50.

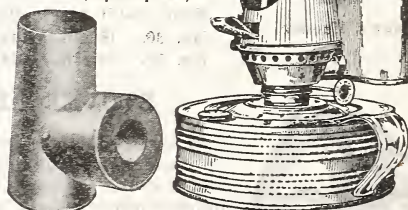
## INCUBATOR HYGROMETERS

**NO. 40 (see cut above).**—"Moisture Indicator." Millions of chicks die in the shell every year for want of proper moisture conditions. Use a Hygrometer to show you proper conditions. Price with full directions. \$1.75. Extra wicks, 15c each. Descriptive booklet on request.

## X-RAY EGG TESTER

Used to test fertility of eggs and show size of air cell during incubation. Use on an ordinary lamp (No. 2 burner), in a dark room.

Price, postpaid, 60c



## OAKE'S HYDRO SAFETY LAMPS

**No. 1.**—7½ in. high; 5 in. wick (P. P.)

wgt. for mailing, 1½ lbs.).....\$1.50

**No. 2.**—8 in. high; 1 in. wick (P. P. 2 lbs.) 2.00

**No. 3.**—9 in. high; 1½ in. wick (P. P. 3 lbs.).....2.50

Add postage for mailing.

## LAMPS, BURNERS, ETC.

**Queen Lamp, 6x4 inches, complete. For**

**No. 1, 2, 3, 4 or 5.....\$2.50**

State size of burner or wick wanted.

**Queen Lamp Burners (state size).....1.00**

**Queen Lamp Flue (chimney)......50**

**Queen Wafer Regulator.....1.25**

**Lamp Wicks (state size), each 5c; doz... .50**

**QUEEN REPAIRS OR EXTRAS.**—We have an illustrated and descriptive booklet giving price list of repair parts and fixtures for all models, old and new. Free on request.

## Leg Bands for Poultry and Pigeons



This band (see illustration above) is made in one piece and adjustable to fit any fowl. They will stay where you put them. Held by double lock. Made of aluminum with

raised figures. Not made for baby chicks or pigeons. After fitting, clip surplus end off with shears.

This is our most popular numbered band. Put up in packages numbered 1 to 12, 13 to 25, 26 to 50, 50 to 100, and boxes 101 to 200, 201 to 300, and in even hundreds up to 1,000.

NOTE.—We do not break above packages.

PRICES: 12 for 20c; 25 for 25c; 50 for 40c; 100 for 65c; 500 up at 60c per 100.

### SPIROL—COLORED LEG BANDS

You have no ends to fasten together—made on the same principle as a key ring. Once put on they stay till taken off and do not chafe the leg.

Durable, Practical, Economical. They provide instant identification without handling the birds. You can identify birds as far as you can distinguish colors, which will show you according to your markings the early or late hatched pullets, the yearlings or two-year-olds, your different matings, and so on. Fine for baby chicks. Made in ten colors: Red, White, Pink, Yellow, Light and Dark Blue, Black, Purple, Green and Garnet. They do not fade and are weather-proof. We offer Highest Quality only.

#### ORDER BY NUMBER, AND STATE COLOR WANTED

NOTE.—No. 1, Baby Chicks; No. 2, Pigeons; No. 2½, Bantams or growing chicks; No. 3, Leghorns, all Mediterraneans and Spanish; No. 4, Rocks, R. I. Reds and American classes; No. 5, Asiatic classes and Ducks; No. 6, Asiatic Males, Turkeys and Geese.

PRICES postpaid: Any color Nos. 2, 2½, 3 or 4—12 for 20c, 25 for 25c, 50 for 40c, 100, 60c; 500 up, at 50c per 100. NO. 5 and NO. 6 SIZES are 12 for 20c, 25 for 30c, 50 for 45c, 100 for 70c.

BABY CHICKS.—12 for 15c, 50 for 30c, 100 for 45c; 500 up, at 40c per 100; postpaid.



SPIRAL



### ECONOMY—COLORED LEG BANDS FOR POULTRY

Handsome, two colored, ¼ inch wide, aluminum back, celluloid face, well made and durable. Large, plain, double numbers from 1 to 300 in red, green, pink, blue and black. Fasteners very secure if doubled back and pressed tight. We can supply these only in Leghorn and Rock sizes.

Prices: 12 for 35c; 25 for 60c; 50 for \$1.00; 100 for \$1.75, postpaid.

### ECONOMY—COLORED PIGEON BANDS

Same width and style as above, with double numbers up to 100 only, as the band is not long enough to go above 100; single numbers from 1 to 100. Same colors as for poultry.

Prices: 6 pair (12 bands) 30c; 25 pair 75c; 50 pair \$1.40.

### SURE CLINCH ADJUSTABLE POULTRY BANDS

This new aluminum band is very neat, smooth and well made, ¾ inch wide, adjustable to 3 sizes. Note the 3 holes in illustration. We offer this band as superior to the old-style double clinch. Numbers from 1 to 1,000. (See cut.)

Prices: 12 for 20c; 25 for 35c; 50 for 60c; 100 for 85c; 500 up at 75c per 100.

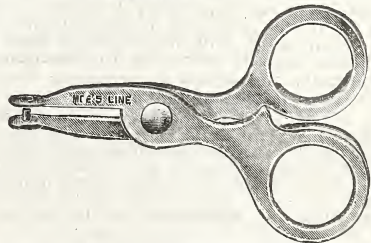


No. 8—Economy

No. 7—Sure Clinch



WING BANDS—We offer Double Clinch Wing Bands ¼ inch wide numbered at same prices as "Champion" Poultry Band above.



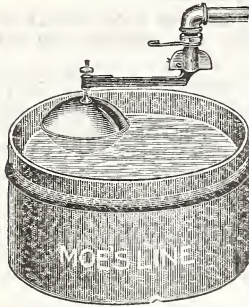
Ideal Poultry Punch

Used for marking the web between the toes of baby chicks.

Pettey's Poultry Punch.—Postpaid 25c.

Ideal.—See illustration; good size, well made; does neat work. Each 50c, postpaid.

## AUTOMATIC WATER VALVES



Moe's Automatic.

Keep your birds, pets or stock supplied with fresh water without any trouble. Let the automatic faucets do it.

**MOE'S NEW AUTOMATIC.**—A perfect automatic valve and float, to regulate the flow of water. The valve mechanism is entirely of brass, nickel finish, with nothing about it to rust or clog up. Positive in action. Where one or more of these automatic valves are installed in poultry yards or houses, watering troughs, bud baths, etc., the watering problem is solved. A great labor saver.

The valve can be attached to any iron water pipe, or to a supply barrel or tank, and insures a continuous, automatic supply of water, without waste. Valve is threaded for  $\frac{1}{4}$  in. iron pipe. The wire hook holds the float up and cuts off the water while pan or trough are being cleaned or removed.

No. 30—Automatic Valve and Float.—Packed 12 in a carton. (Wgt. 6 lbs. per doz., 10 oz. each.) Price, each, 90c; per doz., \$10.80; \$1.00 each postpaid.

**THE GUARANTEED.**—The makers claim all the best features known are built in this fountain. Fills the pans or trough so full and no more. Equipped with a governing stem or screw that controls the water flow automatically and locks or acts as cut-off if weight of trough is removed. (See cut.) Descriptive leaflet on request. Price \$1.50 each, postpaid. **PIPE CONNECTIONS** to fit  $\frac{1}{2}$  or  $\frac{3}{4}$ -inch pipe, 25c extra.

## EGG GRADING SCALES

All up-to-date poultrymen are now grading their eggs. Large eggs bring extra fancy prices and profit to the producer.

**ACME NO. 2.**—Especially adapted to Pacific Coast trade. Grades all weigh from 18 to 26 oz., without any changing or adjusting. Made entirely of aluminum, rust-proof and practically indestructible. Every part is accurately made and carefully tested and will meet the requirements of any state bureau of weights and measures.

The operation of this scale is so simple that a child can operate it. By placing an egg in the cup the beam will automatically adjust itself. The lowest visible number on the blades will indicate the weight in ounces of one dozen like eggs. Hence this egg should be placed in a carton, or case, which is properly marked for that particular grade of eggs. Price \$3.50.

**STANDARD.**—Very simple in construction, yet very accurate and quick. Made in two sizes, 19 and 22-ounce grades. As they are so inexpensive and it is so handy to have the two graders all set, everyone should have one or more of each size. Price 60c each; 2 for \$1.10, postpaid. State which grade or size is wanted. See illustration.

**GILT EDGE** (See cut).—Used throughout the United States. Extra well made, yet simple in construction; quick and easy to operate; weighing capacity, 18 to 29 ounces per dozen. Price \$1.50, postpaid.

## SEMI-SOLID BUTTERMILK At Last a Product of Real Merit

Guaranteed to retain its full feeding and medicinal value until the container is opened and every pound used. Semi-solid, will not mould or spoil after opening if you keep it according to directions.

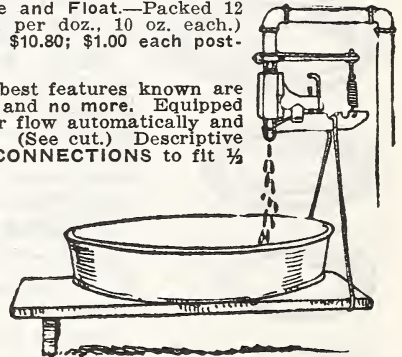
Semi-Solid Buttermilk is creamery buttermilk condensed to a thick semi-solid paste.

The secret of the constantly growing popularity of this Genuine Semi-Solid Buttermilk is due to its guaranteed quality, its dependability and safety, for every pound of it is thoroughly pasteurized when made and then self-preserved in its own lactic acid in sterilized, airtight silicated barrels and pails, and it comes to you as pure and wholesome as the can of evaporated milk you buy at the grocery store.

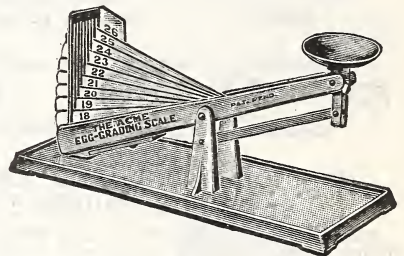
Its food value is unquestioned among experts. It prevents many disorders, greatly increases egg production, helps develop growing poultry and increases stability and fertility of eggs from the breeding hens. Send for descriptive literature, or, best of all, order a supply at once. Follow directions and you will find from experience that it's a poultry food that will be most profitable.

**PRICES:** 50-lb. bbl. at  $4\frac{1}{2}$ c lb.; 260-lb. bbl. at  $4\frac{3}{4}$ c lb.; 90-lb. kits at 5c lb.; 50-lb. kits at  $5\frac{1}{2}$ c lb.

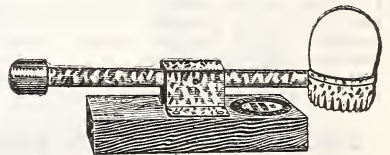
**NOTE.**—Semi-Solid is fed at the rate of 3 to 6 lbs. per day per 100 hens—depending upon other rations given them.



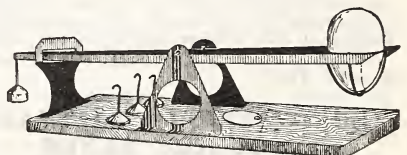
The "Guaranteed"



Acme Egg Scales.



Standard Egg Scale



Gilt Edge Egg Scales

## Routledge H. Q. Poultry Feed

"H. Q." DENOTING HIGHEST QUALITY

"The Feed That Proves You Fed"

It has always been our aim to supply the poultry-keeper the best feeds and supplies obtainable. Our line of Poultry Feeds that we offer you after 20 years of experience will please the most critical and prove the most economical and profitable to feed. Quality and analysis guaranteed on all our Feeds.

**PRICES:** Poultry food prices SUBJECT TO MARKET CHANGES in grains and are continually changing. We keep our prices low as possible. WRITE OR PHONE FOR LATEST PRICE LIST.

OUR 25c AND 50c PACKAGES are put up DAILY at only a small advance over 100-lb. prices. FULL VALUE.

### H. Q. CHICK SCRATCH

Feed After 48 Hours to 8 Weeks

**ROUTLEDGE H. Q. CHICK SCRATCH.**—It is vitally important to feed baby chicks only the purest of grains. Weed seed and undeveloped or shriveled grains are like poison to chicks. Avoid trouble and a death loss by feeding only Routledge H. Q. Chick Scratch—it's extra clean and contains only the purest of grains. Should be fed several times daily in addition to our Buttermilk Chick Mash.

Prices: 25c and 50c pkgs.; 100 lbs., write

### H. Q. BUTTERMILK CHICK MASH

Feed from 10 Days to 8 to 12 Weeks

**ROUTLEDGE H. Q. BUTTERMILK CHICK MASH.** We are not guessing when we say this is one of the best "if not the best" on the market today. It contains the very best grade of digestible ground grains with dried buttermilk added. The quality of ingredients is equal to any used for human consumption. Feed after 10 days, starting gradually and increasing slowly until they have it before them in dry form continually when two weeks old. Feed in addition our H. Q. Chick Scratch in straw litter three times daily. This combination should be fed for 8 to 12 weeks—then follow with Routledge Developing Mash and Developing Scratch.

Prices: 25c and 50c pkgs.; 100 lbs., write

## Ring Neck Pheasants

(China Pheasants)

We have made arrangements with one of our most reliable and successful pheasant breeders to supply our customers with pheasant eggs in proper season. You can hatch them under bantam or small hens successfully. Send your orders for eggs now to be sure of delivery at proper season, about April 20th to July 1st. Eggs will go direct to you from the pheasant farm.

**PRICES, SAFELY PACKED AND CHARGES PREPAID**

15 eggs, \$5.50; 30 eggs, \$11.00; 50 eggs, \$17.50; 100 eggs, \$35.00. Instructive leaflet on hatching, care and feeding free with each order.



**NOTE.**—Our 2-page folder giving full description of our line of H. Q. Poultry Foods free on request.



Look for this style sack, "machine sewed" top.

Take No Other

Mulino, Oregon, Feb. 5, 1925.

Routledge Seed & Floral Co.

Gentlemen: I have better success with your Chick Feeds than any other.

Respectfully,

MRS. RED E. SHAVER.

### H. Q. DEVELOPING SCRATCH

Feed from 8 Weeks to 4 Months

### H. Q. DEVELOPING MASH

Feed from 8 Weeks to 6 Months

### H. Q. SCRATCH FEED

Feed from 4 Months On

### H. Q. BUTTERMILK EGG MASH

Feed from 6 Months On

FOR FULL DESCRIPTION OF ALL ABOVE FOODS ASK FOR LEAFLET

**FISH MEAL.**—5 lbs., 35c; 10 lbs., 65c; 50 lbs., \$2.25; 100-lb. sk., \$4.85.

**BEEF SCRAPS.**—lb., 10c; 5 lbs., 45c; 10 lbs., 75c; 50 lbs., \$2.60; 100 lbs., \$5.00.

**GRANULATED BONE.**—5 lbs., 25c; 10 lbs., 50c; 100-lb. sk., \$3.35.

**OYSTER SHELL, CRUSHED.**—EASTERN: 3 lbs., 10c; 8 lbs., 25c; 100-lb. sk., \$1.75. WESTERN: 100 lbs. \$1.50.

**GRIT.**—4 lbs., 10c; 12 lbs., 25c; 100-lb. sk., \$1.40.

**ALFALFA MEAL.**—1 lb., 10c; 5 lbs., 25c; 100 lbs., \$1.75.

**ALFALFA LEAVES AND BLOSSOMS.**—10 lbs., 60c; 100 lbs., \$3.75.

**CHARCOAL.**—A for mash, B for chicks, C for hens. 1 lb., 10c; 3 lbs., 25c; 10 lbs., 75c; 50 lbs., \$2.00; 100 lbs., \$3.70.

**POULTRY PEPPER.**—1 lb., 30c; 5 lbs., \$1.35.

**H. Q. DRIED BUTTERMILK.**—Mix 5 to 7 lbs. to 100 lbs. of mash. Price per lb., 15c; 10 lbs., \$1.25; 20 to 50 lbs. at 12c; 100 lbs., \$10.50.

**EPSOM SALTS.**—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00.

## ROUTLEDGE LICE AND MITE LIQUID



Red Mite,  
greatly enlarged.  
Natural size  
almost invisible  
to the eye.

**KILLS BY CONTACT.**—We recommend this liquid for use in poultry houses, barns, stables, coops, etc., as a killer and preventive. Spray walls, crevices and corners where they hide and breed.

**FOR LICE AND MITES** paint the roosts and spray thoroughly the drop boards and walls to kill the mites and eggs. It penetrates and lasts. Used occasionally and thoroughly it will absolutely keep the houses free of mites or lice.

Spray or paint the inside of nest boxes once every thirty days. This also helps to keep the lice off the hens. It will not taint the egg. Use our "Lice Powder" on the birds.

**GUARANTEE.**—If after using Routledge Mite and Lice Liquid you are not satisfied, we will refund the money cheerfully. Use as directed.

**PRICES.**—By Express or Freight (not mailable), Quart cans, 50c; 2-quart cans, 80c; gallon, \$1.20; 5-gallon, \$4.00; 10-gallon (2 5-gallon cans in case), \$7.50.

### OCULUM FOR POULTRY

"Oculum" is not a stimulant but is a scientific germicide. It destroys disease germs in the bowel and keeps fowls healthy.

**PRICES:** Trial size, 1 oz. (240 feeds), 15c; 50c bottles, 60c postpaid; \$1.00 bottles, \$1.10 postpaid; by Express, Pints, \$2.00; Quarts, \$4.00; Gal., \$10.00. Extra Glass Syringes, 15c.

### OCULUM OIL FOR STOCK

**PRICES.** Trial size, 60c, or Half Pint, \$1.15, postpaid; by express, Pints \$1.50; Quarts, \$2.50; Gal., \$7.50.

**SPECIAL SYRINGE FOR ANIMALS, 25c.**

Ask for pamphlets giving full information and testimonials.

## CHOLERINE

The Greatest Specific  
and Conditioner for  
Poultry.

Millions of Baby Chicks  
Die Annually. White  
Diarrhoea kills them.

White Diarrhoea is a  
Germ disease. Science  
has proven this, and has  
located the microbe. This  
disease is not only pre-  
vented but eradicated by  
CHOLERINE.

Chick "Life Insur-  
ance" is cheaply bought  
by using Cholerine.



**CHOLERINE.**—The greatest specific and conditioner for poultry. We highly recommend it. Fowls fed Cholerine will keep healthier and produce more eggs during the season. The mortality will be much less and they will go through the moulting season in far better condition.

**For Baby Chicks.**—We recommend it as a preventative and specific for white diarrhoea, coccidiosis (bloody diarrhoea), cholera, roup, limber neck and other germ diseases, intestinal troubles, indigestion and worms. Use it from the start as a preventative. It will pay big returns. They will brood better and have more "pep" and grow into more profitable birds.

**For Laying or Breeding Fowls.**—Use six tablespoonfuls Cholerine to one hundred birds, a pint to five hundred birds, three days a week. Many of the largest poultrymen on the Coast and throughout the United States are continuous feeders of Cholerine. It will aid fowls to obtain full nutriment of food consumed.

**PRICES:** 6 oz. bottle 40c; postpaid 45c; 16 oz. bottle 70c; postpaid 80c; 1 gal. \$2.50; 5 gal. \$11.25; 30-gal. bbl. \$45.00. Full directions on each container. Barrels—Prices on request.



Body Louse,  
greatly enlarged.  
Visible to good  
eyes.

Sacramento, Calif.,

Routledge Seed & Floral Co.

Gentlemen: Please send me a good sized can of your Liquid Lice Destroyer, C. O. D. I can not get anything that will keep out vermin like that does.

I am,

Very truly yours,

GEO. W. IRWIN.

### LICE POWDER — Best By Test

Prices: 30c, 60c and \$1.25 pkg. Add 10c extra if wanted by mail.

### CONKEY'S POULTRY REMEDIES

Conkey's POULTRY BOOK Free.

**POSTAGE.**—The following can be mailed safely, but ADD 5c EACH FOR POSTAGE and safe packing on the 30c packages and 10c extra on the 60c to \$1.20 sizes.

Roup Remedy (powder)	30c, 60c and \$1.20
Roup Pills, Special	30c, 60c and \$1.20
Canker and Bronchitis Remedy	60c
Blackhead Remedy	60c
Head Lice Ointment	15c and 30c
Cholera Remedy	30c, 60c and \$1.20
Gape Remedy	30c and 60c
Lice Fix (Salve Form)	30c and 60c
Limber Neck Remedy	60c
Scaly Leg Remedy	30c
Poultry Laxative	30c and 60c
Poultry Conditioner (General Tonic)	30c & 60c
Poultry Worm Remedy	30c, 60c; 5 lbs. \$2.75
Poultry Flea Salve	30c
Sulphur Candles	15c

White Diarrhoea Remedy.—Save your baby chicks by putting it in their drinking water.  
Price 30c, 60c and \$1.20

### "H. Q." PINE OIL

PINE-OIL has many uses, but the chief one for the poultryman is in connection with colds, roup, canker, chicken pox, etc. We recommend it highly.

For prices see page 123.

## PARROTS

Young parrots arrive during July and August, but we aim to have stock on hand at all times. Price of trained talkers on request. We offer hand raised, not the wild, trapped, unmanageable birds.

**PANAMA PARROT.**—The most popular parrot with our trade. Of quite large size, gentle disposition, easily taught and become great favorites. Deep green plumage. They often show a yellow spot on the back of the head. Young, 6 to 8 months old, each \$25.00 and \$30.00; extra select, \$35.00; Old Parrots, Trained Talkers, \$50.00 and up.

**B B OR DWARF PARROTS.**—These cute little parrots make great pets. They are active, bright and wideawake. They are not much on the talk, but can be trained. Their dark green plumage is always smooth and pretty. Their gentle disposition and winning ways make them great favorites. Each, \$7.50 and \$10.00.

**CUBAN PARROT.**—Medium size, green plumage, red tips on wings, light face, gentle, fine pets, good talkers.

**MEXICAN RED-HEADED PARROTS.**—Medium size, trim and active, make fair talkers, gentle. Green plumage, bright red on head, blue in wing and tail.

## Parrot Cages

We offer the latest and best designs of Parrot Cages on the market.

### MOULDING BASE SQUARE CAGES

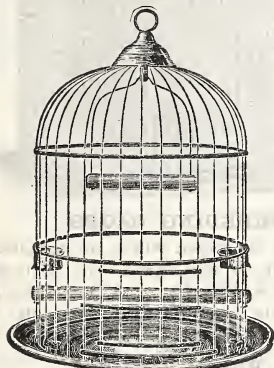
Made of extra heavy tinned wire, new style moulding base, with removable cleaning drawer, and also has wire grating to keep bird from getting down on dirt. Tinned iron, self-locking feed cups.

No.	Size	Height	Price
No. 101 ....	15 $\frac{1}{8}$ x14 in.	25 in.	\$14.35
No. 102 ....	17 $\frac{7}{8}$ x15 $\frac{1}{8}$ in.	28 in.	15.85
No. 103 ....	21 $\frac{1}{4}$ x17 $\frac{1}{2}$ in.	30 in.	18.00

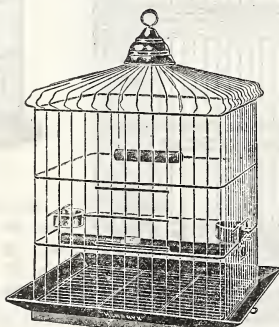
### ROUND PARROT CAGES

These are very popular on account of the low prices.

No.	Diameter	Height	Price
No. 70 ....	12 in.	20 in.	\$ 4.20
No. 75 ....	13 in.	21 $\frac{1}{2}$ in.	4.90
No. 80 ....	14 $\frac{1}{2}$ in.	23 in.	6.85
No. 85 ....	16 in.	24 in.	8.65
No. 90 ....	17 $\frac{3}{4}$ in.	30 in.	11.95
No. 91 ....	22 $\frac{1}{2}$ in.	39 in.	16.85



Style No. 70 to 91



Style No. 101 to 103



PARROT  
FOOD  
PAGE  
148

Panama Parrot

### FANCY SQUARE CAGES

Made of extra heavy tinned wire, and heavy tin base, strong self-locking feed cups, grating and tray.

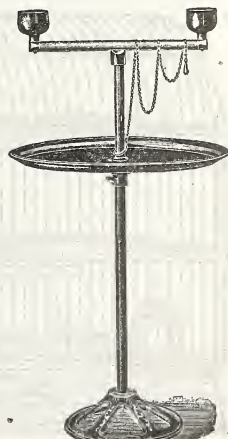
No.	Size	Height	Price
125 ....	14 x10 $\frac{1}{2}$ in.	21 in.	\$ 8.90
130 ....	16 $\frac{1}{2}$ x11 $\frac{1}{2}$ in.	24 in.	10.70
135 ....	17 $\frac{1}{2}$ x14 in.	27 in.	12.20

### PARROT STANDS

No. 1.—Finished in black enamel. Complete with feed cups, tray and chain. Good heavy base, so it will not tip over. Tray adjustable to any height. Price \$15.00. Wire Stand Covers, \$10.00.

### PARROT CAGE CUPS

HEAVY, 50c  
LIGHT, 40c



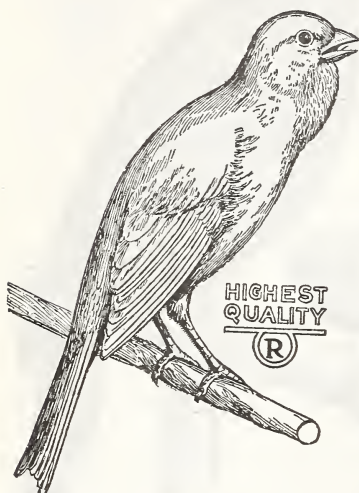
Parrot Stand

The flowers bloom and fade away; books are read and then cast aside and soon forgotten, and we tire of the so-called pleasures of life and demands of society. A parrot is always amusing and interesting, and it is a pleasure to watch it develop from day to day its powers of mimicry. It will soon learn to greet you with "good morning." Such a pet will stand the test of time and grow in favor constantly.

## SONG AND CAGE BIRDS

We are the largest importers and dealers in Birds and Gold Fish in the Northwest. This department of our business has grown rapidly and we have incorporated the Routledge Bird, Pet and Animal Company with headquarters at our new East Side Store, Grand Avenue and Stark.

We Guarantee Our Singers and Will Exchange If Not Satisfactory



### IMPORTED AND AMERICAN CANARIES

Their cheery song is like sunshine to the soul; their bright plumage, active ways and cheerful dispositions make them great favorites. For your convenience we have inclosed with glass "Bird Parlors" on our first floor. You are welcome any time. Come in and see our birds and hear them sing.

**ST. ANDREASBERG.** World-renowned and the sweetest singers on earth. These birds have been given a musical training; their song is sweet and soft with many rare and pleasing notes, thrills, rolls, etc. Imported, Singers, \$10.00 to \$15.00; American raised, Males, \$7.50; Females, \$2.50.

**HARTZ MOUNTAIN ROLLERS.** Beautiful and incessant singers, always bright, active and cheerful. Some singers in this class are almost equal to the above, especially where they have had special training. Imported, Males, \$7.50; selected Singers, \$10.00; Females, \$2.00.

**HARTZ MOUNTAIN SINGERS.** The well-known and popular American-bred canary. Males, \$5.00; Females, \$1.00; Selected Females, \$1.50; Young Males, August and September only, not yet in song (no exchange), \$3.50 each.

### OTHER CAGE BIRDS

We do not always have all the following birds on hand, but can get them quickly on orders. For further information, write.

**AUSTRALIAN SHELL PAROQUETS.**—Often called Lovebirds, look like a miniature parrot, a little larger than a canary; plumage green, very intelligent and beautiful. Each, \$5.00; pair, \$10.00.

**FINCHES.**—Strawberry, Black Headed Nun, Society, all \$5.00 pair; Chestnut, Tricolor-Nun, Diamond, \$8.00 pair; Zebra, \$6.00 pair; Red-Crested Grey Cardinals, \$12.50 each; Nonpareil, \$15.00 pair.

Eugene, Oregon, Dec. 23, 1924.

Routledge Seed & Floral Co.

Gentlemen: We received the Bird and so far is everything we could wish for, but we want you to forward us three boxes of your Bird Seed and Sand.

Very truly yours,

MRS. A. M. PHARES.

Jacksonville, Oregon, Nov. 5, 1925.

Routledge Seed & Floral Co.

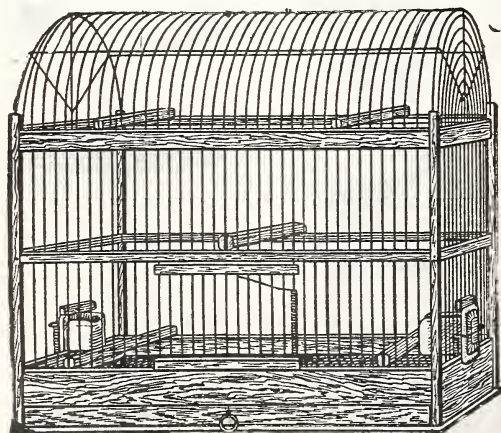
Gentlemen: Received my Bird in fine shape and think he is a dandy. Would also like to have your catalog, want to see about a Gold Fish.

Yours truly,

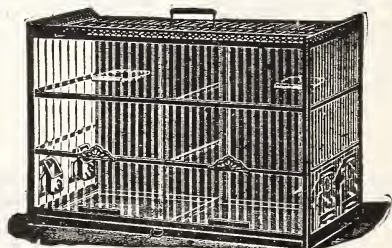
ALICE HOEFO.

**JAVA RICE BIRDS**, pure white, \$5.00 each.

**JAPANESE ROBINS**, each \$5.00; pr. \$8.50.



Robin Cages



### BREEDING CAGES

All metal, enameled white, all complete.

No. 86 Single,  $17\frac{1}{2} \times 8\frac{3}{4} \times 14$  in. high. \$5.65

No. 86 Double,  $19\frac{1}{2} \times 10 \times 14\frac{1}{4}$  in. high. 6.85

No. 87 Double,  $22 \times 11 \times 16\frac{1}{4}$  in. high. 7.85

No. 88 Double,  $24\frac{1}{2} \times 12\frac{1}{2} \times 17$  in. high. 9.35

### ROBIN CAGES

While these cages are made especially for Japanese Robins, Orioles, etc., we sell for surplus or young stock. Large, roomy.

more for Canary breeding and flying cages and for surplus or young stock. (See illustration.)

NO. 81— $16 \times 9\frac{3}{4} \times 16$  in., \$5.85; NO. 82— $17\frac{1}{4} \times 10\frac{5}{8} \times 18$  in., \$6.65; NO. 83— $20\frac{1}{4} \times 12 \times 20$  in., \$7.85; NO. 84— $22\frac{1}{4} \times 13 \times 21$  in., \$8.85; NO. 85— $24 \times 14\frac{1}{4} \times 23$  in., \$9.85.

## CANARY BIRD CAGES

We believe we carry the most complete line of plain and fancy cages on this Coast. Limited space in this catalog will not permit us to illustrate all, but we offer herewith the most popular styles. If you can, call and inspect our stock. Prices subject to change.

### LA FAVORITE BRASS CAGES

This is one of the new, late models; very popular and one of our best sellers. The full, graceful design at the top adds greatly to its general appearance. Handsome, bright finish, extra well made. (Wgt. boxed, 10 to 14 lbs.) See illustration.

No.	Size, Inches	With Guard	Without Guard
7004 .....	8½x6½x12¾	\$4.85	\$3.50
7006 .....	10½x7½x13¼	5.85	4.25
7008 .....	10¾x7¾x13½	6.85	5.25
7010 .....	13 x8½x14¾	7.85	6.50

### NIAGARA BRIGHT STEEL CAGES

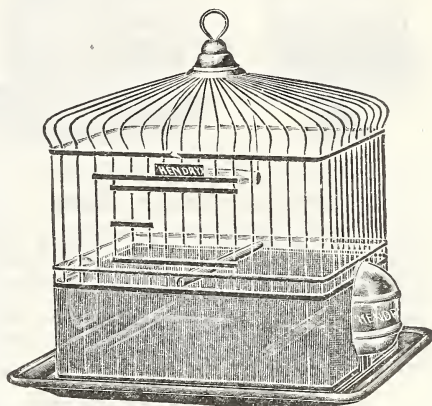
These new metal cages are finished in bright steel and look real nice. Non-corrosive, neat, bright, well made cages, same style as La Favorite. See illustrations. Mighty good value for the price. (Weight boxed, 10 to 14 lbs.)

No.	Size, Inches	With Guard	Without Guard
7104 .....	9½x6½x12¾	\$3.50	\$2.85
7106 .....	10½x7½x13¼	3.65	2.95
7108 .....	10¾x7¾x13½	3.90	3.15
7110 .....	13 x8½x14¾	4.20	3.50

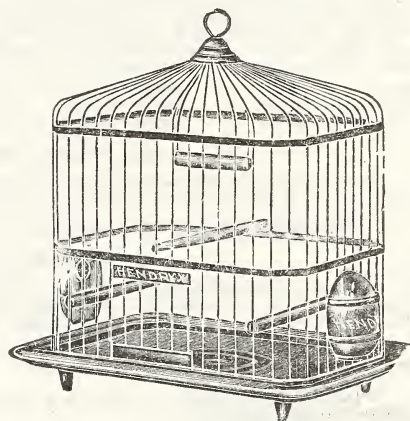
### ECONOMY ENAMELED CAGES

These cages are extra good value for the price. Well made and properly finished so that the enamel will not chip off. Color, pure white. For a low-priced cage, it would be impossible to find better value anywhere. (Weight boxed, 10 to 12 lbs.)

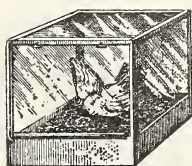
No. and Price With Guard	Size Inches	No. and Price Without Guard
266.....\$4.50	9¾x6¾x15½	165.....\$2.15
267..... 4.90	10½x7 x16	166..... 2.90
268..... 5.35	11½x7½x16¾	167..... 3.15
269..... 5.85	12¼x8¼x17½	168..... 3.35
	13x 8¾x18	169..... 3.85



La Favorite, with Seed Guards



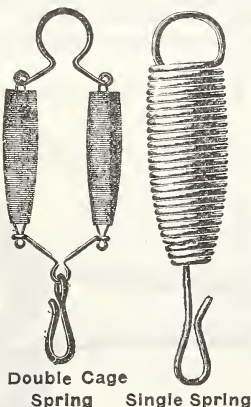
Economy Enamel, without Guard



Bird Bath House

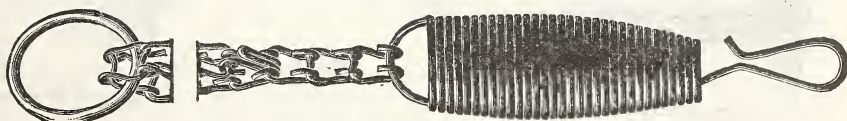


Wire Nest



Double Cage Spring      Single Spring

See  
Cages,  
Etc.,  
Next  
Page



Cage Suspension Spring and Adjustable Chain

Note.—Bird cages can be sent by parcel post, if necessary, providing you add postage at weights given, AND add 25c extra. However, we advise express, charges collect.

### EXTRA CAGE SUPPLIES

**CANARY BATH HOUSE.** — Enameled frame, removable glass lights, size about 4x5 inches. Open the cage door and hook it on. "His Majesty" steps in when ready. Price \$1.00; postpaid \$1.15.

**BIRD NESTS.** — Wire or willow 20c; postpaid 25c.

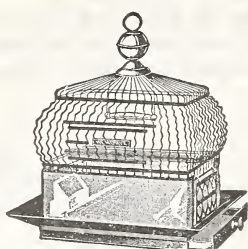
**NESTING HAIR.** — 15c pkg.; 2 for 25c, postpaid.

**CAGE SUSPENSION SPRINGS.** — Single, light, 25c; heavy, 35c; Double, 50c; Heavy Single Spring with adjustable chain, 40c.

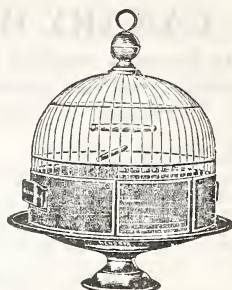
## Cages—Continued



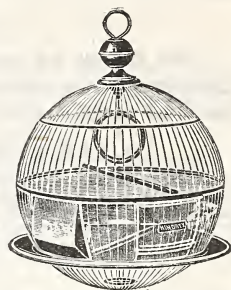
Victoria



Perfection



Imperial



New Delight

### IMPERIAL BRASS CAGES

Well made, rigid and extra strong. Solid spun brass base, fitted with compact brass wire guards, making it a perfect, unusually clean and pretty cage, for stand or hanging bracket.

No.	Size, Inches	Price
274—With guard	.....10x 9½	\$4.75
275—With guard	.....11x16½	5.75
276—With guard	.....11x12½	6.75

### PERFECTION BRASS CAGES

A new and beautiful, fancy design, having all the good and desirable features of the new model, up-to-date cages. The graceful curved wire on the upper part makes it attractive and very pretty. New style wide moulding base with sliding cleaning pan.

No.	Size, Inches	Price
440—With guard	.....10¾x8½x15½	\$12.90
455—With guard	.....9½x7 x14½	10.85

### NEW DELIGHT BRASS CAGES

This is a handsome and artistic cage. Of course it must always be hung up, but many think it is neater, trimmer and more elegant. Full brass seed and water guard.

No.	Size, Inches	Price
6000-G—With guard	.....12x16½	\$14.85

### VICTORIA ENAMELED CAGES

A new high class white enameled cage of latest pattern and best quality. An ideal medium priced cage. Neat in appearance, large and roomy. For stand or hanger.

No.	Size, Inches	Price
6 —With guard	.....10x16½	\$3.85
6½—With guard	.....11x17½	4.80
7 —With guard	.....12x18	5.50

H. Q. stands for HIGHEST QUALITY. That is why our H. Q. Bird Seeds and Foods give such good satisfaction. See page 148.

### BIRD CAGE WALL BRACKET HOOKS

**DANDY BRACKET.**—(See cut.) Heavy nickle-plated wire, 8 in., 25c; 10 in., 35c; 12 in., 50c. Brass, 8 in., 30c; 10 in., 45c; 12 in., 55c, postpaid. 5c less if called for.

**ACME BRACKET.**—(See cut.) Cast, fancy design, brass plated. 12 in., \$1.00; postpaid \$1.10.

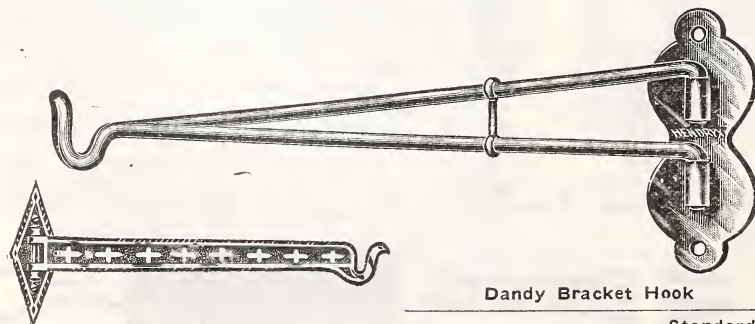
### STANDARD BIRD CAGE HOLDERS

We have several styles of these cage stands, one like illustration and the other style has a full circle at the top and the cage hangs in the center. They are very convenient, and movable, can be set any place. Heavy turned base and rods. Height 5½ feet.

**HALF CIRCLE.**—(Like illustration.) No. 18, polished brass, \$5.50; gunmetal or bronze with brass arch, \$6.00.

**FULL CIRCLE.**—No. 19, polished brass, \$7.00; gunmetal or bronze with polished arch, \$8.25.

**NEW NO. 23.**—Similar to No. 19, full circle but of larger tubing; very classy. Polished brass only, \$14.85.



Acme (E-12) Bracket Hook

Dandy Bracket Hook



Standard Bird Cage Holders

**LIVING PRESENTS.**—Did you ever stop and consider what a desirable Christmas or birthday present a beautiful CANARY makes? They are so different, interesting and desirable, SO CHEERFUL AND LOVABLE.

## Bird Cage Supplies — Continued

### CUTTLE BONE HOLDERS

Inexpensive, but a great convenience. See illustration. The brass wire frame holds the cuttle bone so firmly that the bird cannot loosen it, and you don't ruin the cage by squeezing it in between the wires.

Price: Holder only, 15c; holder, with cuttle bone, 20c, postpaid.

### BIRD BATHING DISHES

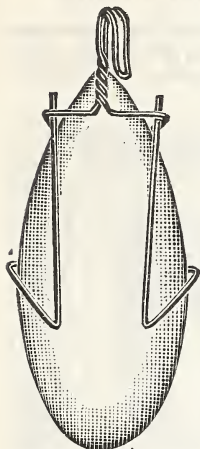
Birds should bathe at least once or twice a week to be healthy and vigorous. Made especially for birds. Oblong, of right depth and regulation size; no-tip style.

Prices: Large size, opal or glass, 25c; postpaid, 30c. Small, 20c; postpaid, 25c.

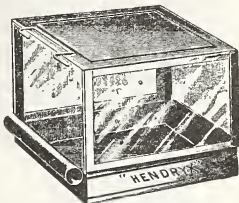
### GLASS BIRD BATH ROOM

Ideal in every way. Finished in white enamel. The removable glass sides can be easily cleaned. To prepare the bath, fill the bottom half full of warm water, open the cage door and hook bath house before it. "His Majesty" can go in and take his bath when he pleases and you lose no time standing around awaiting his pleasure. With this closed bath room the bird cannot scatter the water in or outside of the cage. It's a great convenience and the birds soon learn its use and enjoy it.

Price, \$1.00; postpaid, \$1.10



Cuttle Bone Holder



Glass Bath House

### BIRD CAGE FEED AND WATER CUPS

We carry a large and varied stock of both opal and plain glass. We illustrate the three most popular styles. We have tried to make the following descriptions plain. Should you get the wrong style, return them and try again. Your choice, Opal or Plain Glass.

NO. 1902.—See illustration. Opal or Plain Glass, each 15c; postpaid, 20c each; 2 for 35c.

NO. 1904.—See illustration. Opal or Plain Glass, each 15c; postpaid, 20c each; 2 for 35c.

NO. 1913.—Opal only, see illustration. Postpaid, 25c; 2 for 45c.

NO. 1914, Square.—Plain Glass, same style as No. 1913 but larger, for Breeding Cage and Robin Cages. Postpaid, 25c; 2 for 45c.

NO. 80.—Round Opal for Bungalow Cages. Postpaid, 20c; 2 for 35c.

NO. 90.—Round Glass, 1 inch deep, to set on the floor of cages for feed or sand. Postpaid 20c, 2 for 35c.

NO. 25.—Similar to 1904 except that it is open top and can be filled from the outside if you wish to. Your choice, opal or glass, 15c each, or 20c each postpaid, 2 for 35c.

### EXTRA PARTS, ETC.

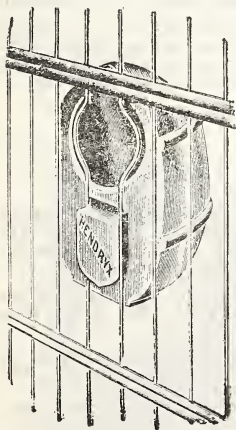
BIRD CAGE PERCHES (give length).—10c; SWINGS, 25c. (Nests and springs, page 145.)

PARROT FOOT CHAINS, 50c; PERCHES, 50c; SWINGS, 35c.

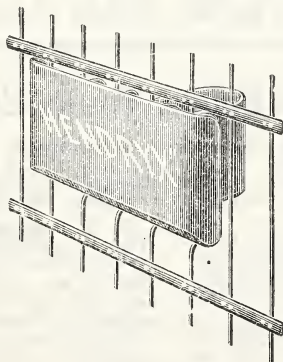
### TONIC OR MEDICINE CUP

This is a small cup that slips in between the cage wires and holds about a tablespoonful. Ideal for feeding Health or Song Food, Tonic, etc.

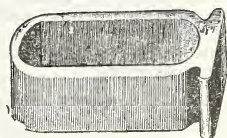
Price, 20c; 2 for 35c, postpaid.



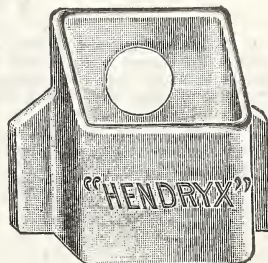
Bird Cage Cup, No. 1904



Bird Cage Cup, No. 1902



Tonic Cup



No. 1913

Eugene, Oregon, Jan. 8, 1925.  
Routledge Seed & Floral Co.  
Gentlemen: We are sure happy with our Bird. He is such a good singer.  
Yours truly,  
MRS. A. M. PHARES.

Sisters, Oregon, Jan. 30, 1925.  
Routledge Seed & Floral Co.  
Dear Sirs: The Bird arrived yesterday O. K. Very much pleased with him as far as I can tell  
Yours respectfully,  
MRS. M. McKINNEY.

## Routledge H. Q.—“Highest Quality”—Bird Foods

We are making a specialty of Bird Foods and Remedies and carry in stock the largest and only complete line in the Northwest. Our rapidly increasing trade shows that the public appreciates the opportunity to get H. Q. “HIGHEST QUALITY” foods and remedies of “MERIT” for their pets.

### H. Q. ROLLER BIRD SEED

Our own special mixture for American, Hartz Mountain and St. Andreasberg Canaries; especially prepared for the singers. Contains no hemp, but the correct proportions of highest quality re-cleaned Canary, Sweet Rape, small Golden Millet and a few other seeds to give health and “pep” to the singers.

It is no wonder that thousands of canaries die annually from the effects of common Bird Seeds put up by grocery and drug companies. It is generally old, musty or dusty, inferior seeds, and not correctly mixed.

Try a package of our H. Q. and note the difference and also the saving, even though it is a little higher in price.

“H. Q.” sold only in sealed 1-lb. cartons.

Price, large full pound cartons, with small envelope of Bird Sand and piece of cuttlebone, 25c lb. Add postage if wanted by mail.

**H. Q. HEMP SEED.**—Hemp is the large, round, dark-grey seeds found in all cheap mixtures. It is very heating and fattening and should be fed sparingly and not to singers at all. Lb. 20c; 10 lbs. \$1.25

**H. Q. CANARY.**—There is a big difference in the stock and quality of canary. Buy our re-cleaned Sicily seed. Quantity price on request. Lb. 20c; 10 lbs. \$1.50

**H. Q. MILLET.**—Small golden soft shell, fresh and re-cleaned. Lb. 15c; 10 lbs. \$1.25

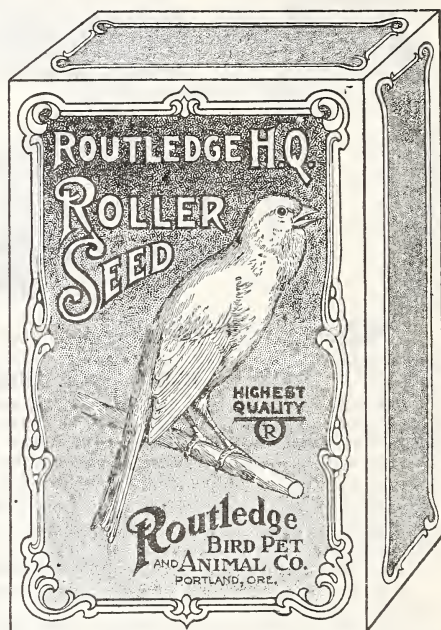
**H. Q. SWEET BIRD RAPE.**—Easily detected by the sweet taste. Beware of cheap rape. Lb. 20c; 10 lbs. \$1.60

**“H. Q.” CRYSTAL AGATE BIRD GRAVEL.**—A new and ideal product, becoming very popular with bird fanciers. 2-lb. carton 15c

**H. Q. SILVER BIRD SAND.**—White and clean; put up in 2-lb. cartons, 15c; in bulk 5 lbs. 30c; 10 lbs. 50c.

**RED BIRD GRAVEL.**—Preferred by some of our customers. 2-lb. box 20c

**NOTE.**—Add postage to all foods above when ordering by mail



Design Copyrighted

This illustrates our new H. Q. Bird Seed Carton—Highest quality seed obtainable. (Green, yellow and red box, yellow bird.) Take no other. Ask your dealer to stock it and send us his name and we will do the same.

**MAW.**—(Poppy.) Bird tonic. 40c lb.

**LETTUCE SEED.**—For birds. 35c lb.

**CUTTLE BONE.**—High grade, large size. Each 10c, or 2 for 15c, postpaid; with patent fasteners or holders, 10c and 15c, postpaid.

## Parrot Foods, Tonic, Etc.

**H. Q. Mixed Parrot Seeds.**—This is our own mixture of clean, well cured sunflower, hemp, pumpkin and corn, properly mixed. Your “Polly” will like this. 25c lb.; 5 lbs. for \$1.00; postage extra

**H. Q. Sunflower.**—We offer only large plump, full-meated seed properly cured and of the right age for health. Far superior to the average stock sold. 20c lb.; 5 lbs. for 90c; postage extra.

**Routledge General Parrot Tonic.**—Prepared by us expressly for parrots afflicted with indigestion, diarrhoea, catarrh and being off feed. Postpaid 25c.

**Parrott Corn.**—Best quality for parrots. 15c lb.; 4 lbs. for 60c; postage extra.

**M. G. Parrot Spray.**—Will cure parrots of the habit of biting off their feathers. Per bottle 50c; postpaid 60c.

**NOTE.**—Add postage to all prices not marked Prepaid if wanted by mail.

**M. G. Mixed Parrot Seed.**—Properly mixed for good health and plumage. Full and valuable directions on the care of Parrots on each box. Per carton 30c; postpaid 35c.

**M. G. Prepared Corn, for Parrots.**—To be given in addition to the seed. Per carton 20c; postpaid 25c.

**M. G. Parrot Biscuit, for old and young, to keep them in good health and plumage.** Per carton 30c; postpaid 35c.

**Parrot Tonic.**—Unexcelled for young parrots, cures catarrh, bowel trouble, etc. (M. G.) Per bottle 35c; postpaid 40c.

**M. G. “Health Food for Parrots, for health and fine feathers.** Per carton 30c; postpaid 35c  
**Plumage Restorer (K.)**—For Parrots, Paroquets and birds that pick and bite their feathers. 40c; postpaid 50c.

## Routledge H. Q. Bird Remedies — Continued

These H. Q. remedies are our own preparations and fully guaranteed. Our own experts and our Veterinarian know pet stock, their ailments and best cures. Consultation free. Complete instruction in each carton.

A "Tonic" or "Medicine Cup" (see page 147), is the ideal way to feed these special foods. Only 20c, postpaid.

**ROUTLEDGE SONG RESTORER.**—For loss of voice and song. A wonderful preparation in dry granulated form. Used in conjunction with our liquid Song Tonic, alternating daily, invariably restores the song quickly. Postpaid 25c.

**ROUTLEDGE HEALTH FOOD.**—Feed in "tonic cup" twice a week. Especially compounded to combat intestinal ailments of birds, a trouble not generally understood but is the cause of many birds dying yearly. Postpaid 25c.

**ROUTLEDGE GENERAL TONIC.**—Made to meet a demand for helping birds in a rundown condition where there is no definite ailment existing but still there is need for a tonic. Gives quick results. Put in water cup. Postpaid 25c.

**ROUTLEDGE MOULTING FOOD.**—Supplies the necessary elements of food value required by a bird at the beginning and during moulting time. The bird will repay you many times over with its sweet song for your thoughtfulness in supplying it with this food. Postpaid 25c.

**ROUTLEDGE SONG TONIC.**—For loss of voice and diseases of the respiratory organs. Stimulates peristaltic action and organs of the circulation. Put in water cup. Postpaid 25c.

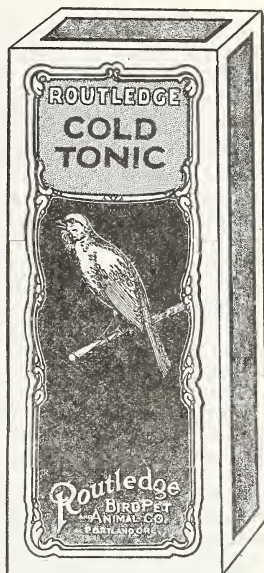
**ROUTLEDGE COLD REMEDY.**—Birds suffering from colds, asthma and kindred troubles must have immediate attention or they are very apt to be lost; at least the song will be destroyed greatly if not entirely. Keep this remedy on hand. Postpaid 25c.

**ROUTLEDGE DIARRHOEA REMEDY.**—The best that money and skill can produce, without a peer for quick and healthful results. Use our Bird Laxative first. Postpaid 25c.

**ROUTLEDGE BIRD LAXATIVE.**—Composed of vegetable oils, effective but harmless. Postpaid 25c.

**ROUTLEDGE BIRD OINTMENT.**—To keep down the unnatural dryness of the epidermis. Don't neglect the bird's feet and legs. Use this ointment for scales, roughness and leg mites. Postpaid 25c.

**ROUTLEDGE BIRD LINIMENT.**—One of the greatest remedies for diseases of the feet and legs of birds, also for skin troubles. Postpaid 25c.



Look for this style carton. Three colors—green, yellow and red.

Wilbur, Wash., July 2, 1925.

Routledge Seed & Floral Co.

Dear Sirs: The bird was received today and had a bath and was singing before 2:00 P. M. I thank you for sending me such a darling. He is too dear for words, and his song is all and more than I had hoped for. I feel sure that I have friends who will order from you when they have heard this one sing.

Thanking you again, I am

Yours truly,

MRS. J. J. MONTGOMERY.

**ROUTLEDGE SPECIAL BIRD SOAP.**—Prepared especially for washing bird's legs and feet, feathers, also if bird doesn't bathe, and cages, cups and perches. Unsurpassed for human use and can be used on the most delicate skin. Postpaid 25c.

## Canary Bird Specials — Very Popular — O. K.

These Five Articles Have Merit; We Sell Gross After Gross

Trial Order—1 each, 5 kinds, only 85c, postpaid



**ROUTLEDGE H. Q. HEALTH FOOD.**—See description above. Best by test. Try it.

**BIRD MANNA.**—A combination of seeds, herbs and roots that nature intended birds should have. Food and medicine combined. A tonic and conditioner. Comes in half-round cakes, made to fasten on the cage wires. Per cake, 15c; postpaid 20c; 2 for 35c.

**"PEP."**—The same kind of a tonic and conditioner as above. Also put up in the same style. Very popular seller and we prefer it in some ways to Manna. Per cake, 15c; postpaid, 20c; 2 for 35c.

**CANARY HIGH BALLS.**—Another article of "Manna" merits. Highly praised. Comes in ball form and hangs in the cage. "Mr. Bird" eats it as he needs it. Each 15c; postpaid 20c; 2 for 35c.

**SPRATT'S COD LIVER OIL NESTLING FOOD.**—A food for young birds. A substitute for boiled eggs. An excellent food for old birds in the moulting season. Per pkg. 25c; postpaid 30c; 2 for 55c.

Read our book, "Care, Feeding and Breeding of Canaries"; worth a dollar; price 30c, postpaid. See page 125.

## Mite and Lice Powders

Watch out for lice on the birds and the little red mites that hide in the crevices of the cage or walk during the day and live on the birds at night. Your bird cannot be contented and happy with these pests.

**ROUTLEDGE DISINFECTANT CAGE WASH.**—There is a great demand for a disinfectant to use when washing cages that will destroy all disease germs, lice and mites. Will not harm the finest cage, either brass or wicker. Use a tablespoonful to a quart of water. Use Routledge Bird Soap to make a lather and clean the cage at the same time. Rub the cage dry with a soft, dry cloth, and it will shine like a new cage. Postpaid 25c.

**Bird Lice Destroyer (H. Q.)**—Put up in powder guns ready to shoot. 35c; postpaid 40c.

**Bird Insect Powder.**—Very effective, if dusted on the bird. Pkt. 15c postpaid. Large box, 30c postpaid.

**Red Mite Liquid (Spratt's), 30c.**

**ROUTLEDGE DEPLUMING MITE LIQUID.**—For destroying the depilating mite which causes the feathers to come out around the neck and on the back of the head. Postpaid 30c.

*Grandview, Wash., April 28, 1925.*

*Routledge Seed & Floral Co.*

*Gentlemen: The little St. Andreasberg Female Bird you sent me last week is just fine. She is making a nest today. I am delighted with her. Please send me another one.*

*Yours truly,*

*MRS. NELLIE M. CROUCH.*

## Max Geisler — Kaempfers — Philadelphia — Spratt's Bird Supplies

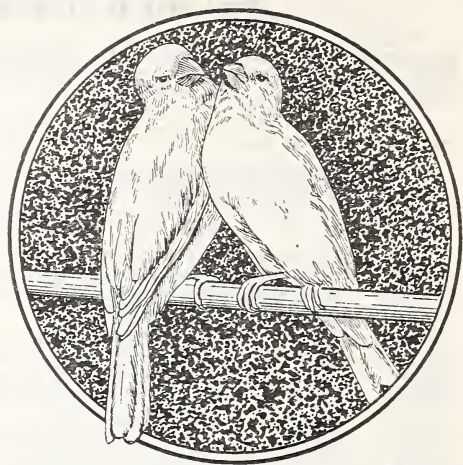
Feeds and Remedies. To conserve space, we will designate the different stocks as follows: (G) for Max Geisler, (K) for Kaempfers, (P) for Philadelphia Bird Co.'s, (S) for Spratt's.

**NOTE.**—The following prices are all postpaid; 5c less per package if called for. Prices subject to market changes.

Asthma Tablets (K)	30c
Bird Seed—Mixed	Price, Postpaid
Geisler's Roller, 12-oz. pkg	40c
Philadelphia B. F. Co.'s, 14-oz. pkg.	40c
Routledge H. Q. Roller, see page 148.	
Bird Soaps—See page 151.	
Bird-o-lene (K)	30c
Bird Biscuit (G) Plain 25c; Medicated	30c
Bird Bitters (P) general tonic	40c
Bird Liniment (K), for scaly legs	30c
Canarydyne (S)	25c
Color Food, Red or Orange, gives feathers better color. Fine for young birds or after moulting (S)	30c
Constipation Tablets (K)	30c
Diarrhoea Tablets (K)	30c
Laxative Tablets (K)	30c
Moulting Pepper (P), moulting season	40c

**MOCKING BIRD FOODS.**—For Mocking Birds, Robins, Thrushes and all soft-billed birds.

Spratt's Defiance, large cans 75c; small 40c	
Geisler's, ¾-lb., or Philadelphia	60c
Nesting Hair (P), for nests	15c
Plumage Restorer (K), a spray	30c
Sing Song (S), to take the place of Manna or Pep	2 for 35c—20c
Song Restorer (Excelsior)	30c
Song Restorer, Drahota (P)	30c
Song Restorer (S)	30c
Song and Moulting Foods (G)	30c
Song Restorer (S)	30c
Spratt's Egg Flake Mixture	40c
Treatment A.—(Song Restorer) (G)	35c
Treatment B.—(Digestive Trouble) (G)	35c
Treatment C.—(Cold Cure) (G)	35c
Treatment D.—(General Tonic) (G)	35c
Vegetable Extract (G) general tonic	40c



Two Is Company, Three Is a Crowd

**Note.**—Insect powder blowers at 25c each postpaid. You need one to apply powder effectively. See page 125.

**Canary Leg Bands, doz. 30c, postpaid**

## Best Book on Birds

"**CARE, FEEDING AND BREEDING OF CANARIES**," by Geo. L. Routledge, gives a volume of real information regarding Canaries. Also informs you how and what to use to overcome disease and trouble. It is based on many years of experience and study; 48 pages nicely illustrated and well printed on heavy book paper. **WORTH A DOLLAR**, but priced at 25c; postpaid, 30c.

**REMEMBER**—The life and song of every bird depends on the quality of seed it gets. Routledge H. Q. Roller Seed is the best that is possible to buy. Use it always. See page 148.

## CATS — KITTENS — FOODS — SUPPLIES

### Persian Angora Cats or Kittens

These long, fluffy, silky-haired pets are great favorites with the ladies, and with their bright intelligence, affectionate dispositions, cleanliness and beautiful appearance it is not to be wondered at. Aside from their value as pets there is good money in breeding and raising them, as they find quick sale. Most of the stock we offer is from pedigreed stock and eligible to registration. The popular colors are Orange, Silvers, Shaded Silvers—Orange, Brown and Silver Tabbies—White, Black, Blue and Tortoiseshell.

**RANGE OF PRICES.**—Young Kittens: Males, \$10 to \$20; Females, \$7.50 to \$15. Old, 6 months or over, prices on request.

BOOKS ON CATS—SEE PAGE 113



Silver-shaded Persian Cat

### Spratt's Cat Food and Remedies

**Spratt's Cat Food.**—A complete food for cats. Used at the leading catteries throughout the world and daily becoming more popular among the fancy. Large pkt. (P. P. 2 lbs.), price 30c. Add postage.

Constipation Pills	50c
Cough Tablets	50c
Diarrhoea Tablets	50c
Digestive Tablets	50c
Flea Powder	40c
Worm Capsules	50c
Vermifuge Capsules for Cats.	Postpaid 50c
Distemper Capsules for Cats.	Postpaid 75c
Tonic and Condition Tablets for Cats.	Postpaid 50c.

**Malted Kitten Food.**—Use tablespoonful to pint of hot water; very valuable and inexpensive. Can, 30c; postpaid 40c.

**Cat Combs.**—\$1.75 to \$2.00 each.

**Clayton's Cat Remedies.**—See page 157.

### Willow Sleeping Baskets

For small dogs and cats. Give them a bed of their own and they will keep off the furniture. Well made and lasting. High rounding back; nice enough for any room in the house. Can be stained to match the furniture. We have five sizes: No. 1, \$2.30; No. 2, \$3.50; No. 3, \$4.65; No. 4, \$5.90; No. 5, \$6.95.

### Pedigree Blanks

FOR DOGS, CATS, RABBITS

We offer breeders what we believe to be the prettiest and most up-to-date, properly constructed pedigree blanks. These are printed in two colors and beautifully illustrated. Prices.—For Cats or Dogs or Rabbits, state which, 10c each; 3 for 25c; doz. 75c.

### Willow Carrying Baskets

Extra classy carriers. Top lifts up; it locks with a willow bar. Tiny window in each end and a little barred door in one side. Used as a carrier or to lock the pet in while absent. No. 2, \$4.00; No. 3, \$4.50; No. 4, \$5.25; No. 5, \$6.00.



### Catnip Mice and Catnip Balls

Most every home has a cat and every cat should have a plaything. Catnip Mice and Catnip Balls are just the thing, make the cats playful, healthy and wide awake—they love the smell of catnip and crave it, a little occasionally to keep in good health is almost necessary.

#### CATNIP MICE

Made of cloth, same size, shape and color of a real mouse, and stuffed with dried catnip leaves. Kitty will play for hours with this mouse and then should be given a little catnip. Price, 15c; postpaid, 20c.

**SPECIAL.**—1 Catnip Ball, 1 Catnip Mouse and 1 pkg. Catnip, postpaid, for 50c.

#### CATNIP BALLS

These are hollow wooden 1½-inch red balls, filled with catnip. It's great sport for the cat. A wonderful toy for cats. Price, 15c; postpaid, 20c.

#### CATNIP LEAVES

Catnip leaves, properly cured and dried. Always keep a package on hand to treat Kitty with. Price, 15c; postpaid, 20c.

### Routledge Special Cat Soap

We have prepared this especially for cats. It is high grade, non-irritating, delicately perfumed and will clean the skin and fur and eliminate cat odor, disease and vermin without injury to cat, if you follow directions on the carton. Price, 15c; postpaid 20c.

"Clayton's" Full Line of "Cat Remedies" listed on page 157

## PUPPIES AND DOGS

Buy your child a puppy and let them grow up together. Aside from the protection and companionship, educational experts advise that all children are better by having pets.

Our pet stock, hutches and kennels are inspected regularly by Dr. M. Howes, veterinarian, and member of the Oregon Humane Society.



Above is from a photo. A healthy, bright lot of Scotch Collie pups ready for new homes. Don't you want one?

Most buyers prefer a pup so it can be raised and trained to suit, but often someone wants a full-grown dog; we sell both.

**PUPPIES ALWAYS ON DISPLAY AT OUR WEST SIDE STORE.**

**PRICES OF PUPPIES**—Pure-bred Stock (without pedigree papers): Fox Terriers, Collie Shepherds, English Setters, Scotch Collies—Females \$7.50 to \$10.00; males, \$12.50 to \$15.00. Airedales, Cocker Spaniels—Females, \$10.00 to \$15.00; males, \$15.00 to \$25.00. Toy, Boston and English Bulls—Females, \$15.00 to \$25.00; males, \$20.00 to \$35.00. Mixed breeds—Females, \$5.00; males, \$7.50.

For prices on fancy pedigreed stock write and state just what you want.

### ROUTLEDGE FLEA KNOX

#### For Dogs and Puppies

A disinfectant soap emulsion that cleans the skin, destroys dog odors, and leaves the fur soft and fluffy.

Our many satisfied customers claim it **THE ONLY WASH THAT WILL FREE THE DOG OF THE TROUBLESOME FLEA.**

We guarantee it to be satisfactory or money refunded.

**DIRECTIONS.**—Place the dog in a tub of water and wet the hair thoroughly. Then pour a little of the emulsion on the dog and rub in until the dog is well lathered. Rub the lather thoroughly into the hair, rinse and dry the dog well. Start to wash at the head and work back.

Spray or disinfect the dog's sleeping quarters to destroy fleas and odors or they will soon get back on the dog.

This emulsion is good for human use.

**PRICE,** 3-oz. bottle 40c; 6-oz. bottle 75c, postpaid.

### ROUTLEDGE SPECIAL DOG SOAP

Made to meet a demand for all kinds of animals or fowls, cats, dogs, chickens, etc. It has the proper ingredients to get results in all general conditions, still be harmless to the animal which it is used on. It is non-poisonous and non-irritating to animals or humans. Price per cake, postpaid, 15c.

### ROUTLEDGE PUPPY WASH

For Toy Dogs and Puppies. An excellent disinfectant and a germ destroyer. Kills all dog odor and fleas, improves the skin and coat. Use in bath water with H. Q. Dog Soap. 1 tablespoonful to a gallon of water. Price: 3-oz. bottle 25c; postpaid 35c; 6-oz. 40c; postpaid 50c.

**PEDIGREE BLANKS**—See page 151.



A disinfectant and germ destroyer. This is especially prepared to meet a demand for a real germ destroyer and disinfectant. It kills fleas by contact, relieves irritation and itching skin and if used regularly as a wash and spray will prevent most contagious germ diseases. Use 1 tablespoonful to a gallon of water. Prices: 3-oz. bottle 25c, postpaid 35c; pint 75c; quart \$1.25.

### ROUTLEDGE MEDICATED DOG SOAP

This soap is prepared from the formula of a celebrated physician and combines all healing and purifying ingredients possible in a soap. Its power to fortify and protect the user or animal from contagion is truly wonderful. Will remove dandruff, stimulate hair growth, prevent most skin eruptions, and destroys most germ diseases communicated by contact. Leaves the skin and fur in the best of condition. Use freely on either man or beast. Price per cake, 25c, postpaid.

### SIXTY-MINUTE WORM REMEDY

#### GUARANTEED ACTION OR MONEY BACK

A wonder in action, yet perfectly harmless to the dog or pup. There is no danger or bad after effects from this remedy—it is a vegetable compound and produces unfailing results within 2 hours, generally within 30 or 40 minutes. Use Sixty Minute Worm Remedy and nothing else. Keep your pets free from worms and you will greatly reduce the danger of Distemper, Paralysis, Eczema, etc.

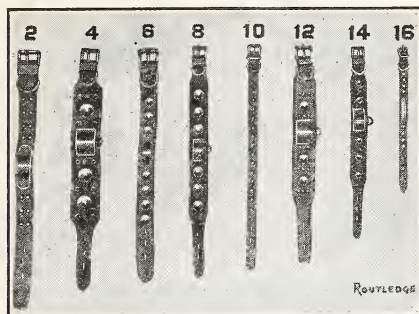
Every pup should be wormed when weaned and again every 2 to 3 months. Full instructions with every container.

**Note.**—If the dog is "constipated" give a "laxative" night before you use any worm remedy.

Prices, postpaid—Small Carton, 6 Doses, 50c; 15 Doses, \$1.00; 36 for \$2.00; 75 for \$3.75; Kennel size, 110 Capsules, \$5.00.

## DOG SUPPLIES, REMEDIES, ETC.

We carry in stock the largest and best assortment of Dog Collars, Chains, Leads, Muzzles, Sweaters, Blankets, Brushes, Combs, etc. Our new display boards in our salesroom, East or West Side Stores, show at a glance all styles, sizes and kinds. If you can call, do so. Below we illustrate and describe a few popular sellers for our out-of-town customers:



### DOG COLLARS

We carry in stock the most complete line in Portland. Every kind and every style from 50c to \$5.00—the average price is from \$1.00 to \$1.50 each. Come in and make your selection or order by mail, giving breed of dog, age and neck measurement. We'll exchange if you are not satisfied with what we send.

### DOG AND CAT CARRIERS

#### Suitcase and Satchel Style

For carrying small dogs or cats by car or auto. Newest, latest and most satisfactory carrier out. They look like leather but are made of black vulcanized fibre board, light but strong. Metal corners and fasteners, lock and key, strong handle; wire screen ventilators with curtain to let down and button.

#### NO. 17. SUIT CASE STYLE

No.	Width	Length	Height	Price
A ....	8 in.	16 in.	11 in.	\$4.25
B ....	9 in.	18 in.	12½ in.	\$4.80
C ....	9 in.	20 in.	14 in.	\$5.35
D ....	9 in.	22 in.	15½ in.	\$5.90

#### NO. 29. IDEAL SATCHEL STYLE

Made same as above except that the wire window and curtain are in the ends and the flat top is hinged and opens up full. Very popular style.

NO. 14, 7x14x10 inches, \$3.20; NO. 16, 8x16x11 inches, \$3.75; NO. 18, 9x18x11½ inches, \$4.30; NO. 20, 11x20x12½ inches, \$4.85; NO. 22, 11x22x13½ inches, \$5.40. Parcel post weight on largest size only 5½ lbs.

WILLOW CAT BASKETS—Page 151.

### MISCELLANEOUS DOG SUPPLIES

LEATHER MUZZLES.—75c to \$1.50.

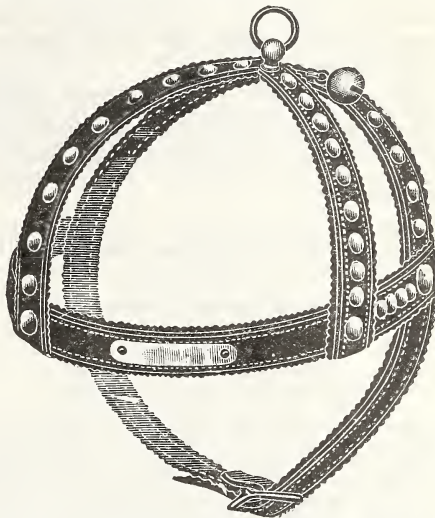
DOG COLLAR BELLS.—25c, Locks 35c to 75c.

DOG COMBS.—Nickle plated, coarse \$2.00, medium or fine \$1.65, flea \$1.85.

DOG COATS or Slip-On.—\$2.75 to \$3.75.

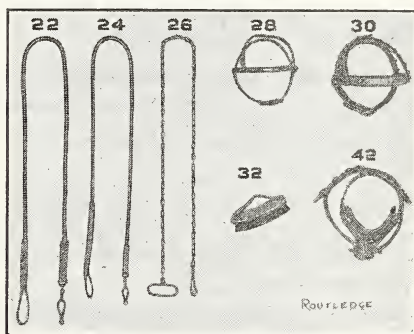
SWEATERS, with legs.—Wool, \$3.25 to \$4.50.

FELT BLANKETS.—Shaped and strapped, \$2.25 to \$4.00.



### DOG HARNESS, CORRECT STYLES

We have them for all kinds and sizes of dogs or pups. Give body measurement taken right back of the forelegs (around the body over the back). Prices vary from \$1.75 to \$6.50. Average price \$2.50 to \$4.00. Tell us kind of dog, age and whether fancy or plain. We'll exchange if not right.



### DOG BRUSHES

CUT NO. 32.—A high grade leather back with hand strap. A good and serviceable brush. Small, 75c; Large, \$1.00.

SLICKER BRUSHES.—Wire teeth set in rubber, wood back and handle. Combs the fleas out and slicks the coat. Price \$1.65.

### DOG LEADS AND CHAINS

All styles equipped with swivel snaps and hand-hold. High grade and well made.

STYLE NO. 22.—Flat strap leads, 4½ feet long, ¼-in., \$1.25; ½-in., \$1.50; ¾-in., \$2.00.

STYLE NO. 24.—Round woven strap leads, 4½ feet long, ¼-in., \$1.00 to \$2.00; ½-in. \$3.00.

STYLE NO. 26.—Chains, 6 feet long; light, 75c; medium, 85c; heavy, \$1.00.

KENNEL CHAINS.—Swivel snap both ends, \$1.00 to \$1.25.

## ROUTLEDGE "H. Q." DOG AND PUPPY BISCUIT

Hundreds of our customers tell us that our "H. Q." (Highest Quality) Biscuit are equal to any and better than most kinds they have ever fed. The pups as well as the grown dogs are always happy and healthy when fed "H. Q. Brand".

Only clean, sweet meats and choice cereals are used in the manufacture of H. Q. Biscuit. The proportions are scientifically blended, so as to produce a thoroughly balanced ration—rich in protein—containing all the elements necessary to keep the dog in the best physical condition.

**PRICES—DOG BISCUIT.**—Large Cartons, 50c; 10 lbs. \$1.25; 15 to 100 lbs. at 11c lb. **PUPPY BISCUIT.**—Large cartons, 50c; 10 lbs., \$1.25; 15 to 100 lbs. at 11c lb.

**NOTE.**—Add postage if wanted by mail. The 50c cartons postpaid for 60c inside of the 3rd zone from Portland.

### CALIFORNIA BISCUITS FOR DOGS, PUPPIES, FOXES

California Dog Biscuits are always fresh—will not mould or get "buggy." Carefully selected meat is used as a basis in the manufacture of these biscuits with the addition of every necessary ingredient to form a complete, balanced ration for all breeds of dogs. The proper ratio has been decided by the best dog authorities. For many years these biscuits have been proved and found successful. Today, as a regular diet, they are given an ever-increasing preference by breeders and raisers of fine dogs. Four sizes as follows. (Descriptive leaflet on request.)

#### "MEAT-BONE" DOG BISCUITS

Prices: Lb. 20c; 2 lbs. 35c; 5 lbs. 65c; 10 lbs. \$1.20; 15 to 100 lbs. at 11c lb.

Add postage if wanted by mail.

#### "NUT-BONE" PUPPY BISCUITS

Feed dry or moistened with milk, vegetable soup. Same prices as above.

Add postage if wanted by mail.

#### CALIFORNIA CIRCLES

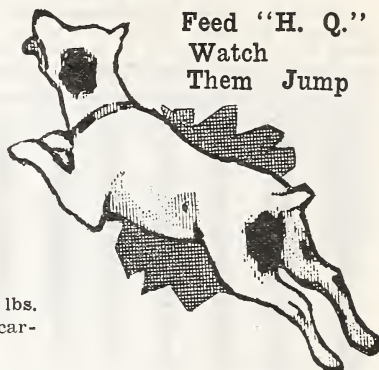
Small biscuit about size and shape of a small walnut. Prices: Lb. 20c; 2 lbs. 35c; 5 lbs. 75c; 10 lbs. \$1.40; 15 to 100 lbs. at 13c lb.

Add postage if wanted by mail.

#### PUP "O" (GRANULATED)

Coarse or granulated for mixing with milk, soup, etc. Same price as "Circles".

Add postage if wanted by mail.



### KEN-L-RATION

The dog food supreme—a perfect balanced ration ready to serve. This food contains red meat organic iron, calcium phosphate, cod liver oil and marrow, fat, etc.—all elements necessary for health, strength and full development of dogs. All ready to feed.

Dogs will eat this when nothing else appeals to them. As a regular feed or as a change, it's great. A trial will convince you. Can be heated and mixed with "Fibo," "Pup-o" or broken biscuits that have been soaked up with milk or water, and it makes a feed your pets will be delighted with. Prices: lb. cans, 20c each; \$2.00 doz. (If wanted by mail add postage.)

### PUP-E-RATION

The perfect puppy ration. Prices: lb. can 25c; doz. \$2.50.

### HEMO-RATION

The ideal food for breeders, anemics and convalescents. Prices: lb. can 25c; doz. \$2.50.

### BENNETT DOG AND PUPPY BISCUIT



If you want a happy, bright-eyed dog, full of life and ginger—whose skin is always healthy and coat always glossy, a dog with bright, clear eyes, sweet breath and regular habits, feed Maltoid Milk-Bone.

**PRICES:** Milk-Bone Puppy or Dog Biscuit, sold in cartons only (P. P. wgt. 2½ lbs.), each 45c; doz. \$5.00. Add postage if wanted by mail. Add postage if wanted by mail.

## CAVIES — GUINEA PIGS

Bright, active and harmless pets. They are in much demand and money can be made raising them. They come in combination colors of brown, white, yellow, black and tan, generally spotted and prettily marked. Solid colors are not always obtainable and are higher in price.



**ENGLISH.**—Smooth, short hair; hardy and healthy. Young Females, \$1.00; Young Males, 75c and \$1.00; Old Females, \$1.50. Males, \$1.00 and \$1.25. A select breeding pair. \$2.50.

Cavies or Guinea Pigs, nicely illustrated; complete, (Parker), 85c, postpaid.

Cavies.—Breeding and management, by House; new edition; \$1.50. See "Books," p. 124.

English Cavy (Guinea Pig)

RAISE GUINEA PIGS—THERE IS ALWAYS DEMAND FOR THEM

## Spratt's Dog and Puppy Foods, Remedies, Etc.

Known and used the world over. None better. We have hundreds of customers and now buy in carload lots. Prices subject to market changes. Spratt's descriptive Dog Culture Book and Catalog free.

### SPRATT'S DOG FOODS

**NOTE.—ADD POSTAGE** on all sizes if wanted by parcel post and allow a little extra for weight of packing.

**SPRATT'S DOG CAKES.**—A properly balanced meat, grain meal and vegetable compound that will not spoil with age. Known and recommended the world over as a complete and constant food for dogs. Most owners of dogs rely on scraps from the table as "dog feed." This is all right as far as it goes, but to be on the safe side and for vacation trips, etc., always keep a supply of Dog Cakes on hand.

**DOG CAKES (Whole).**—2-lb. cartons, 40c; out of bulk, 5 lbs. 75c; 10 lbs. \$1.45; 25 to 100 lbs. at 11¼c lb.

**KIBBLED DOG CAKES.**—Small nut size, out of bulk, 5 lbs. 80c; 10 lbs. \$1.50; 25 to 100 lbs. at 12c lb.

**COD LIVER OIL BISCUITS** are invaluable for old or delicate dogs or those recovering from sickness. Dogs eat them without coaxing.

**Prices:** 2-lb. cartons, 45c; out of bulk, 5 lbs. 80c; 10 lbs. \$1.55; 25 to 100 lbs. at 12¼c lb.

**FIBO for Puppies or Growing Dogs.**—For shy feeders or those recovering from sickness, or as a change of food at any time for all dogs. Small nut size.

**Prices:** 2-lb. cartons 45c; out of bulk, 5 lbs. 85c; 10 lbs. \$1.65; 25 to 100 lbs. at 13¼c lb.

### SPRATT'S PUPPY FOODS

A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old, and they should be continued until such time as their teeth become sound and strong, usually when they are about six months old.

**PUPPY CAKES.**—2-lb. cartons, 45c; out of bulk, 5 lbs. 80c; 10 lbs. \$1.50; 25 to 100 lbs. at 12¼c lb.

**BONE MEAL FOR PUPPIES.**—The strong frame builder. 3-lb. tin can, 50c.

**ORPHAN PUPPY FOOD.**—Small tins, 60c; large, \$1.25.

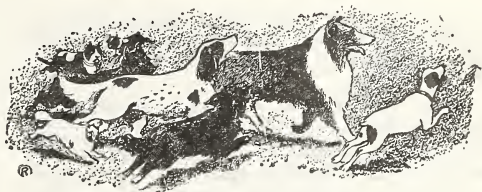
**OVAL PUPPY CAKES.**—Very popular; ideal size. Cartons, 45c; 5 lbs. 80c; 10 lbs. \$1.55; 25 to 100 lbs. at 12¼c lb.

**CHARCOAL OVALS.**—Same as above with charcoal added; excellent change. Prices are same as above.

**PUPPI-LAC.**—A perfect substitute for milk. Small tin 50c; large \$1.00.

**PEP-SINATED PUPPY MEAL.**—For delicate puppies. 35c and 70c.

**PLAIN PUPPY MEAL.**—The standard weaning food. Carton 45c; 5 lbs. 75c; 10 lbs. \$1.45.



## Spratt's Remedies and Medicines

**Alternative Cooling Tablets.**—For heated blood, etc. 50c; postpaid 55c.

**Anti-Asthmatic Tablets,** 50c; postpaid 55c.

**Anti-Rickets Tablets,** 50c; postpaid 55c.

**Antiseptic Soap (Black).**—For cuts, wounds, ulcers, etc., disinfectant and germicide. Cake, 50c; postpaid. 55c.

**Anti-Vomit Pills,** 50c; postpaid 55c.

**Chronic Skin Disease Tablets.**—

**Chorea Tablets,** 50c; postpaid 55c.

**Constipation Tablets,** 50c; postpaid 55c.

**Cough Tablets,** 50c; postpaid 55c.

**Dry Cleaning Powder.**—35c; postpaid 40c.

**Digestive Tablets.**—For severe cases of indigestion. 50c; postpaid 55c.

**Diarrhoea Tablets.**—To relieve diarrhoea. Postpaid 50c.

**Distemper Tablets.**—For toy dogs and puppies. 75c; postpaid 80c.

**DOG SOAP (White).**—Kills lice and fleas, prevents skin diseases and leaves the coat smooth and glossy, contains no tar, nicely perfumed. Per cake, 25c; postpaid, 30c.

**Ear Canker Ointment.**—50c; postpaid 55c.

**Eye Lotion (tablet form).**—50c; postpaid 55c.

**Eczema Remedy.**—50c; postpaid 55c.

**Flea Powder,** 40c; postpaid 45c.

**Hair Stimulant and Restorer.**—50c; postpaid 55c.

**Kidney Tablets,** 50c; postpaid 55c.

**Liniment for Animals and Humans,** 50c; postpaid 55c.

**Liver Tablets.**—50c; postpaid 55c.

**Locurium Ointment.**—For wounds, cuts and bruises. 50c; postpaid 55c.

**Pneumonia Tablets,** 50c; postpaid 55c.

**Purgative Tablets.**—Perfectly safe and effective. 50c; postpaid 55c.

**Tonic and Condition Tablets.**—For toy dogs and puppies. 50c; postpaid 55c.

**Worm Capsules.**—Dog's remedy for Round, Maw, Tape Worms. 50c; postpaid 55c.

**Worm Capsules for Puppies.**—May be given with perfect safety. 50c; postpaid 55c.

**Vermifuge Capsules.**—For toy dogs and puppies. 50c; postpaid 55c.

**Mange Remedy.**—Pints 50c; prepaid 65c.

**SPRATT'S DOG CULTURE.**—New edition, 48 pages, contains valuable information on the care, management, breeding, rearing and feeding. Also tells all about Spratt's Food, Remedies and Supplies. **FREE UPON REQUEST.**

## Q-W Dog Remedies

Pure, wholesome remedies, good enough for humans, prepared by a "Canine Specialist" who has owned thousands of dogs and knows what's what when it comes to treatment of dog troubles. Used and recommended by thousands of dog breeders.

**Q-W MANGE AND FLEA SOAP.**—A wonderful sulpho-cresol cleanser, skin healer, vermin soap, for dogs, cats and other animals. \$1.00 postpaid.

**Q-W CONDITION POWDER.**—Blood purifier, stomach cleanser, digestion corrective, bowel regulator. To help put and keep dogs and cats in condition, and give pep, ginger. \$1.00 and \$3.00 sizes; postpaid, \$1.10 and \$3.25.

**Q-W MANGE LOTION.**—For treating mange, eczema and other skin eruptions on dogs and other animals and in assisting growth of rich hair on man or beast. \$1.00; postpaid, \$1.10; Qt., \$3.25; postpaid, \$3.50.

**Q-W WORM MIXTURE.**—For use in expelling intestinal parasites from dogs, cats, foxes, rabbits, etc., including round, whip, hook and seat worms. \$1.00 and \$2.50 sizes; postpaid, \$1.10 and \$2.70.

**Q-W TAPE WORM MIXTURE.**—For eradicating tape worm's head (the important part) as well as segments. \$1.00 and \$2.50 sizes; postpaid, \$1.10 and \$2.70.

**Q-W LIQUID SULPHUR COMPOUND.**—For bathing dogs with itch, giving sulphur baths, cooling blood in eczema and giving dogs sulphur in their drinking water. Fine for sulphur baths for humans, too. \$1.00 and \$1.75 sizes; postpaid, \$1.10 and \$1.95.

**Q-W VERMINOL.**—Powerful disinfectant, germ and vermin killer. dog dip. For use in killing fleas, lice, mites. Pt., \$1.25; postpaid, \$1.40; Qt., \$2.00; postpaid, \$2.25.

**Q-W PHOSPHATED COD LIVER OIL COMPOUND WITH LIME.**—Quickest food builder for wasting diseases, distemper, run-down condition, rickets, etc. Marvelous bone grower for pups. Indispensable on kennel. Pt., \$1.25; postpaid, \$1.35; Qt., \$2.00; postpaid, \$2.25; Gal., \$7.00, by express.

**Q-W TONIC AND RED BLOOD BUILDER.**—Splendid pick-up tonic for anemic run-down animals or humans. Valuable in distemper. \$1.00; postpaid, \$1.10.

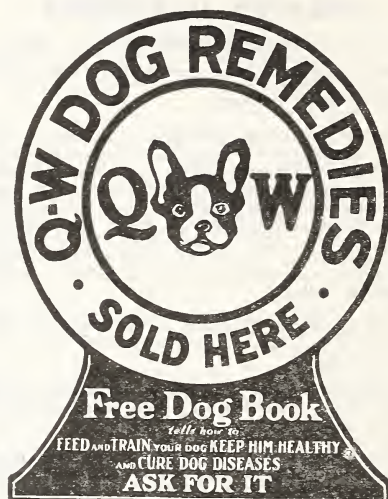
**Q-W DISTEMPEROL.**—For the treatment of distemper and to help carry animal safely through disease. \$2.00 and \$3.50 sizes; postpaid, \$2.10 and \$3.70.

**Q-W BLACK TONGUE MIXTURE.**—For use in prevention and in treatment of black tongue. \$2.00 and \$3.50 sizes; postpaid, \$2.10 and \$3.70.

**Q-W FLEA OIL AND COAT GROWER.**—For use in killing vermin on dogs and other domestic animals without wetting and in keeping off flies, fleas, lice, etc. Instantly applied. Simply rub into coat. Pt., \$1.00; postpaid, \$1.15; Qt., \$1.75; postpaid, \$1.95.

**Q-W CONSTIPATION PILLS.**—Quick, safe laxative. No evil after effects. Splendid for humans, too. \$1.00 postpaid.

**Q-W RHEUMATISM TABLETS.**—For rheumatism, stiff joints, partial paralysis and gout. \$1.00 postpaid.



**Q-W LINIMENT.**—For sprains, bruises, rheumatic or muscular cramps or pains, kennel stiffness, and partial paralysis. \$1.25; postpaid, \$1.35.

**Q-W FIT AND SEDATIVE TABLETS.**—For fits, convulsions and nervous dogs and to help soothe nerves, kill pain, promote sleep. \$1.25 postpaid.

**Q-W COUGH MIXTURE.**—For colds, coughs and all bronchial troubles. \$1.00; postpaid, \$1.10.

**Q-W DIARRHOEA AND DYSENTERY TABLETS.**—For loose bowels and to help soothe and heal inflamed intestines. \$1.25 postpaid.

**Q-W BREEDING TABLETS.**—For stimulating sexual powers in dogs, make males serve vigorously, bring backward bitches in season, induce conception. \$2.00 postpaid.

**Q-W EYE SALVE.**—For weak, running, mattered, inflamed eyes and lids and for film or abscess on eye and to help strengthen weak eyesight. \$1.00 postpaid.

**Q-W EAR CANKER LOTION.**—For internal sores, abscesses, cankers, etc., of the ear causing dog to hold head on one side, scratch ear, etc. \$1.25; postpaid, \$1.35.

**Q-W FLEA POWDER.**—For dry-killing fleas on dogs, especially suited to small dogs and for use in winter. \$1.00 per box; postpaid, \$1.10.

**Q-W HEALING SALVE.**—The pride of the Q-W; a wonderful salve for sores, cuts, tears, ulcers, cankers, rashes, blisters, sore foot-pads, etc. Fine for hunting dogs that get torn up. Good for other animals, too, and for humans. \$1.00 and \$3.00 sizes; postpaid, \$1.10 and \$3.20.

**FREE—Q-W 48-PAGE DESCRIPTIVE BOOKLET.** Tells all about above remedies and gives some valuable information on Dog Raising and keeping.

## Clayton's Dog Remedies

Widely advertised and known from coast to coast. Send for Clayton's Free Book, "A Treatise on the Dog", full of valuable information for the dog owner.

BY MAIL.—Add 5c to the 25c sizes and 10c to the 50c sizes to cover packing and postage.

**MANGE REMEDY.**—For skin disease. 60c.

**HAIR TONIC.**—For the hair. 50c.

**DISTEMPERINE (Liquid).**—Tablets—For distemper. 60c.

**CONDITION PILLS WITH PEPSIN.**—A very reliable remedy in all rundown conditions of the system, especially valuable in distemper. 60c.

**BLOOD PURIFYING AND COOLING PILLS.**—Especially useful in eczema and all skin diseases. 60c.

**DIGESTIVE TABLETS.**—For all forms of indigestion. 60c.

**LAXATIVE PILLS.**—Act directly on the liver and secretions and keep the bowels in good condition. 60c.

**WORM PILLS.**—Composed of the best remedies known for expulsion of worms. 60c.

**PUPPY WORM BULLETS.**—Little red. 60c.

**TAPE WORM EXPELLER.**—Is especially prepared for tape worm. 60c.

**VERMIFUGE (Liquid or soft capsules).**—For puppies after they are 10 days old and dogs of all ages and breeds. 60c.

**CANKER LOTION (Liquid).**—(Tablets) —For external and internal canker, deafness, etc. 60c.

**EYE LOTION (Liquid).**—(Tablets)—For all diseased condition of the eye. 60c.

**FIT REMEDY (Liquid).**—(Tablets)—For all kinds of fits or convulsions, epilepsy, etc. 50c.

**COUGH REMEDY.**—For coughs and colds from whatever cause. 60c.

**SULPHUR TABLETS.**—60c.

**PUPPY TONIC.**—To strengthen weak puppies, relieve them of colic, prevent and stop bloating and formation of gas in the stomach and bowels. 60c.

**RHEUMATISM TABLETS.**—60c.

**DIARRHOEA REMEDY (Liquid or tablets).**—60c.

**CHOREA TABLETS.**—60c.

**GOITRE REMEDY.**—To relieve enlarged glands of the neck, goitre. \$1.00.

**CEOLINE DOG WASH AND DISINFECTANT.**—For fleas; for washing your dog. To disinfect your kennel. 40c.

**SHAMPOO.**—For dogs. 25c.

**SKIN LOTION.**—Colorless. 60c.

**KILFLEA SOAP.**—For fleas. 25c.

**KILFLEA POWDER.**—For dogs and cats. 35c.

**DOG SOAP.**—25c.

**CEOLINE SOAP.**—25c.

### CLAYTON'S CAT REMEDIES

These Remedies Are Being Used by the Leading Cat Fanciers Everywhere.  
Clayton's 32-Page Treatise on the Cat—Free.

**CAT MANGE REMEDY.**—60c.

**CAT DISTEMPERINE TABLETS.**—60c.

**CAT TONIC CATNIP CONDITION TABLETS.**—For all run down conditions. 60c.

**CAT BLOOD PURIFYING AND COOLING TABLETS.**—For all blood diseases. 60c.

**CAT DIGESTIVE TABLETS.**—For all stomach disorders, for vomiting, sweetens the stomach. 60c.

**CAT LAXATIVE TABLETS.**—60c.

**CAT WORM TABLETS.**—60c.

**CAT TAPE WORM EXPELLER.**—60c.

**CAT VERMIFUGE (Liquid).**—For very young kittens; expels worms. 60c.

**CAT CANKER LOTION TABLETS.**—For all diseases of the ear. 60c.

**CAT EYE LOTION TABLETS.**—60c.

**CAT FIT TABLETS.**—For fits. 60c.

**CAT COUGH REMEDY.**—For coughs. 60c.

**CAT DIARRHOEA TABLETS.**—60c.

**CAT MOUTH WASH.**—For all ulcerated conditions of the mouth. 60c.

**CAT WASH AND DISINFECTANT.**—Kills fleas, disinfects. 25c.

**KILFLEA POWDER.**—Dogs or cats. 25c.

## Glover's Dog Remedies

An Old and Well-Known Line of Dog Preparations.

	Sizes	Postpaid
<b>MANGE MEDICINE</b> .....	\$0.65	\$0.75
<b>DISTEMPER MEDICINE</b> .....	1.25	1.35
<b>VERMIFUGE</b> .....	.65	.70

	Sizes	Postpaid
<b>TAPE WORM CAPSULES</b> ....	.65	.70
<b>WORM CAPSULES</b> .....	.65	.70
<b>SULPHUR TABLETS</b> .....	.65	.70

## Sargent's Famous Dog Medicines

BY PARCEL POST add 5c to 25c articles and 10c to 60c sizes for packing and postage.

**Distemper Medicine.**—\$1.20.

**Mange Medicine.**—65c.

**Condition Pills.**—60c.

**Sure Shot Capsules.**—For worms. 60c.

**Sure Shot Liquid.**—For worms. 60c.

**Tape Worm Medicine.**—60c.

**Arsenic and Iron Pills.**—A blood purifier. 60c.

**Canker Wash.**—For internal and external ear canker. 60c.

**Well Mouth.**—For sore mouth and black tongue. 60c.

**Pepsin Tablets.**—60c.

**Diarrhoea Medicine.**—60c.

**Cough Medicine.**—60c.

**Rheumatic Pills.**—60c.

**Dog Rub.**—A splendid liniment. 60c.

**Eye Wash.**—60c.

**Constipation Capsules.**—60c.

**Carbolic Tar Soap.**—25c.

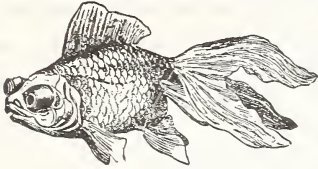
**Skip-Flea Soap.**—Kills fleas and lice. 25c.

**Skip-Flea Powder.**—For dogs or cats. 25c.

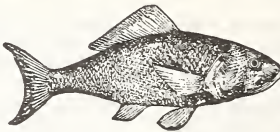
FREE ON REQUEST.—Sargent's 46-page illustrated Dog Book, full of interesting and valuable information. Don't fail to ask for it.

## GOLDFISH, GLOBES, FOOD, ETC.

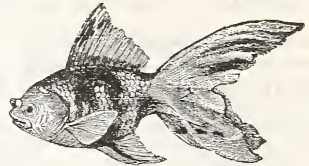
We are the largest retail and wholesale dealers in Fancy Gold Fish in the Northwest, often having a thousand or more on display in our large aquarium at our stores.



Chinese Telescope



American Gold Fish



Japanese Fan-Tail

An aquarium is a beautiful ornament. It suits everywhere—parlor, library, dining and sitting-room, and may indeed be introduced in apartments of the sick. The bright, active Gold Fish are very interesting, a perpetual source of amusement for both old and young folks. Children are always delighted with them.

**CARE OF GOLD FISH.**—Very simple and little trouble. The water in the aquaria must be changed from one to six times a week, depending on the size of the globe, number of fish and the temperature of the room. When fish come to surface and gasp for air they should be given fresh water. Keep the aquariums out of hot sunlight and in a cool place.

### Price List of Fish

**AMERICAN GOLD FISH.**—Very hardy and lively. Each, very small, 25c; small, 35c; medium, 50c; medium large, 60c; large, 3 to 4 inches, \$1.75; extra large breeders, \$2.00 to \$3.00; fancy tri-colored, 50c to \$1.50 and up.

**JAPANESE GOLD FISH—FAN-TAILS.**—These have spreading tails of a delicate lace-like appearance, very showy and attractive. Price, small, 50c; medium, 60c; large, 75c to \$1.00 and up to \$3.00. Tri-colored, golden-red, pearly-white and black, showing two or all three colors, 75c to \$1.50 each.

**COMET.**—Similar to the American, but the tail is very long, graceful and delicate. Very active. Price each, 50c, 60c, 75c, \$1.00 and \$1.50.

**SHUBUNKINS—CALICO FISH.**—One of the newer varieties of Gold Fish. Color, speckled and mottled with gold and most all colors of the rainbow on a blue background. Straight tails, active swimmers, hardy. Prices same as "Comet."

### Aquarium Scavengers

They consume the decaying matter and help keep the aquariums and water clear and clean.

**TADPOLES.**—2 to 3 inches. 15c.

**HARD SHELL ROUND SNAILS.**—15c and 25c.

**NOTE.**—ALL SHIPMENTS (outside of the city) must go by express. A charge of 35c is made to cover cost of Shipping Bucket, holding from two to eight fish. Gold Fish can be shipped safely overland hundreds of miles. They cannot be sent by mail.

### Gold Fish Food

**FEEDING.**—The only safe diet is our prepared Fish Foods, fed daily and only what they will eat up quickly. Don't overfeed.

**H. Q. NATURAL FISH FOOD.**—Our own make. A combination of foods properly blended to assure the healthy condition of the fish. It is rich in body-building elements, which must be supplied to the fish. (See cut.) Per box 15c—20c postpaid.

Rochester, Wash., Nov. 24, 1925.  
Routledge Seed & Floral Co.

Gentlemen: I received the Goldfish O. K. They were just fine and the family are very satisfied with them. Next I will send an order for a Polly.

Yours truly,

MRS. HENRY GARRARD.

Florence, Oregon, June 3, 1925.

Routledge Seed & Floral Co.

Gentlemen: The gold fish and guinea pig I received from you in my last order are in fine condition and doing well. We are very proud of them.

Wishing others the same success that I have had from Routledge Seed Company, I am

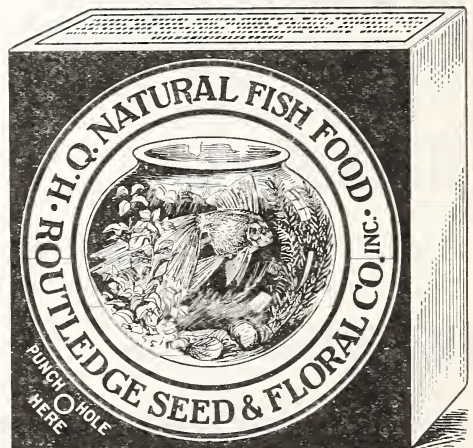
Sincerely,

MRS. GEO. P. EDWARDS.

### Aquaria Plant or Fish Moss

This water plant improves the appearance of the aquaria or globe and helps purify the water as it keeps the water fresh longer. Price per bunch, 25c, postpaid.

**BOOK.**—"The Aquaria and Care of Fish"; paper cover, 35c, postpaid.



**GROUND SHRIMP.**—Prepared to keep; excellent change for fish. Price, 25c.

**ANT EGGS.**—For fish and birds. 25c.

**ZEKE.**—Dried tropical flies, for fish and birds. Pkg. 20c.

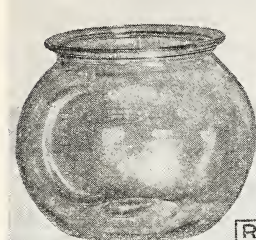
**FISH DIP NETS.**—Long handle. Small 25c; medium 50c.

**RICE WAFER OR FLAKE.**—Best and most popular; large box, enough food for four fish for six months, 25c, postpaid. Directions for feeding and care on each box.

**SPRATT'S.**—Baked and reground to pin-head size. Per can, 15c; postpaid 20c.

**WHEN?** We have the largest supply of Gold Fish on hand during the FALL, WINTER and EARLY SPRING. It is not safe to ship fish during the hot summer months.

## Fish Globes—Aquariums—Castles



Fish Globe.



Aquarium.



Squat Globe.

### FISH GLOBES—AQUARIUMS

The globe and squat style can be set on the table or sideboard, or suspended by brass chains; the most popular. We also have ornamented wrought iron folding stands for globes at 75c to \$1.25.

Cannot be mailed

Note.—Packing charge 10c per gal. extra.

**BLOWN GLOBES.**—These are the highest quality of glass blown—smooth and perfect. Each, ½ gal., \$1.00; 1 gal., \$1.50; 2 gal., \$2.25; 3 gal., \$3.25.

**MOLDED GLOBES.**—Clear white, heavy glass, popular sellers. Each, 1 qt., 35c; ½ gal., 50c; 1 gal., \$1.00; 2 gal., \$1.75; 3 gal., \$3.00; 5 gal., \$5.25.

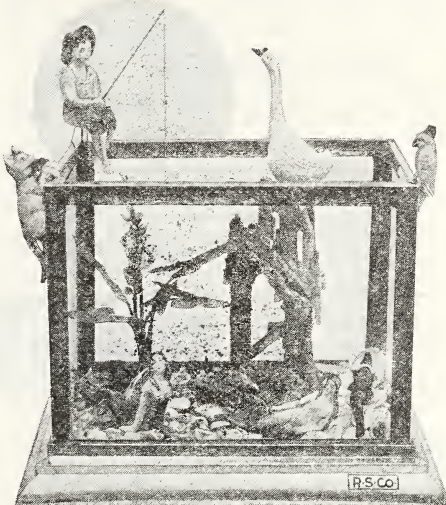
**SQUAT GLOBES.**—A new, popular style, wider and flatter than above; not so easy to tip over. Each, ½ gal., 50c; 1 gal., \$1.00; 2 gal., \$1.75; 3 gal., \$3.00.

### SQUARE AQUARIUMS—ALL GLASS

The latest thing in the square or oblong style. The old styles with the metal corners (as shown in illustration), unless handled with the most careful care, would invariably leak and cause much trouble.

The new, all glass, are made by special process, are of heavy polished glass, smooth edges and corners, and when filled with water are "clear as a bell."

NO. 1.—5½x8x7¼, 1-gal.	Each \$4.85
NO. 2.—6½x9½x8¾, 2 gals.	Each \$5.85
NO. 3.—7¼x11½x9¾, 3½-gals.	Each \$7.35
NO. 4.—9½x14x10½, 5½-gals.	Each \$8.35
NO. 5.—11x16¼x11¼, 8½-gals.	Each \$9.85



Aquarium, showing artistic decoration of ornaments, all of which without the aquarium amounts to about \$5.00 (see next page).

### AQUARIUM STANDS AND GLOBES

Catalog space will not permit us to show what lovely combinations we have in stock. Fancy 4-foot wrought iron stands with large square or round shallow globes range in price from \$7.50 to \$25.00 each.

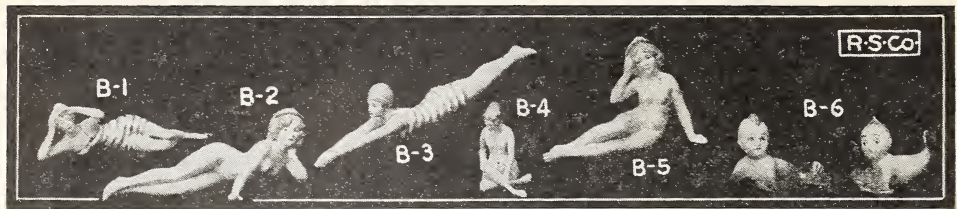
### AQUARIUM CASTLES

Made out of special prepared white clay or coral, artistic in shape and they add much to the appearance of the Aquaria. (See cut below.)

NO. 20, 4 inches high, 50c; NO. 21, 4½ inches, 65c; NO. 22, 3 inches, 35c; NO. 23, 3 inches, 40c; NO. 24, 5 inches, \$1.00; NO. 25, 5 inches, 65c; NO. 26, 4 inches, coral, 35c; 6 to 8-inch coral, \$1.00 to \$1.25; NO. 27, 3½ inches, 35c; NO. 28, pot style to grow water plants in, 35c. We have many other styles and in larger sizes, in price from \$1.00 to \$3.50 each, but the above are the most popular sizes.



An Imported line of new style Aquarium Castles, light in weight, perfect in style and workmanship.



## Aquarium Ornaments and Figures

The following imported novelties are really wonderful, perfect in shape and finish. Every little detail is correct. Limited catalog space demands very short description, but if you are not satisfied upon receipt, return promptly and money refunded. All prices postpaid.

### PERFECT BISQUE BATHING GIRLS (China finish)

- |                         |        |                          |     |
|-------------------------|--------|--------------------------|-----|
| B-1.—Figure 4 in. long. | 85c    | B-5.—5-in. figure.       | 85c |
| B-2.—Figure 5 in. long. | 85c    | B-6.—"Flapper" Mermaids. | 50c |
| B-3.—Figure 6 in. long. | \$1.25 |                          |     |
| B-4.—2½ in. high.       | 65c    |                          |     |

### CHINA BISQUE FISHING BOY

Rod and line with each. See page 159.

FIG. F-8.—A darling little white boy with neat suit and fishing outfit. (5½ in.) Price \$1.85.

FIG. 14.—Sweet little "Cupid" (4 in.), 90c. Colored Pickaninny (same style), 90c Terra Cotta—Smooth Finish

### COMPLETE WITH ROD AND LINE.

FIG. 10.—Typical country boy (6 in.), 75c.

Negro Boy (same style), 75c

FIG. 11.—Girl in bathing suit (6 in.), 75c.



### ORIENTAL BALANCING BIRDS

FIGS. 9 and 12.—Made of viscoloid; will perch on edge of aquarium's branch or spray. Nicely colored, useful in many ways. (3½ in.) Each 20c; doz. \$2.00.

These novelties are  
useful in many ways.  
For Prizes.



For flower bowls,  
dinner plate favors,  
etc., etc.

### AQUARIUM NOVELTIES

A-2—Glass Floaters.—Prevents the feed from spreading. Each 20c.

A-4—"Happy Joe"—Funny boy. (4 in.) 85c.



A-6—Dragon.—Brilliant orange and gold, china finish; wide open mouth. (3 in.) 50c.

A-7—Sea Shells.—Small fancy, colored, for bottom of globes. Polished pearl or all kinds mixed, 15c per 4-oz. sack.

COLORED CHIPS—"Confetti." Small chips of polished glass, all colors, highly decorative. 4 oz. 15c; lb. 35c, postpaid.

NOTE.—A small sack of shells and 8 oz. of chips is about right for a gallon size globe.

### FLOATING NOVELTIES

Indestructible and lasting (barring accidents), very attractive and novel ornaments.

S-15.—Snow white Swan. (4 in.) 25c.

G-16.—White Gander-Goose. (5 in.) 35c.

D-17.—Mallard Duck, colored. (3 in.) 20c.

L-18.—Floating lily, 2-in. colored flower, 4-in. green leaves. 75c.

C-19.—"Pickaninny" on floating leaf. (3½ in.) 85c.

T-20.—Floating Turtle. (2 in.) 20c.

L-21.—Floating Lobster. (2½ in.) 20c.

A-22.—Floating Alligator. (5 in.) 25c.

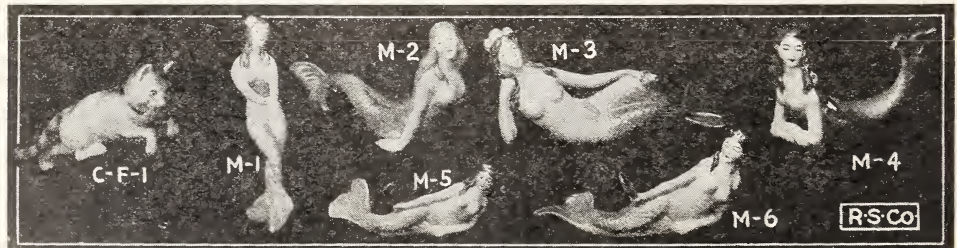
B-23.—Highly colored floating glass balls. 1½ in., 15c each, 3 for 40c; 2 in., 20c each, 3 for 50c; 2½ in., 25c, 3 for 65c.

### BISQUE MERMAIDS (Porcelain Finish)

Very desirable and attractive, to lay in the bottom of the aquarium. Nicely finished and tinted, pleasing features. Average size 5 to 6 inches long.

FIGS. M-1, 85c; M-4 and M-2, each \$1.00; M-3, M-5 and M-6, each \$1.35.

C. F. 1.—Wild Cat with a gold fish in its mouth, to hang on edge of aquarium. 65c.



# REFERENCE TABLES

Quantity of Seeds to produce a given number of plants or to sow an acre

## Vegetable Seeds

	Per Acre		Per Acre
Asparagus—1 oz. to 400 plants.....	4 lbs.	Leek—1 oz. to 200 ft. drill.....	3 lbs.
Beans, Dwarf—1 lb. to 125 ft. drill.....	40 lbs.	Lettuce—1 oz. to 200 ft. drill.....	3 lbs.
Pole—1 lb. to 150 ft. drill.....	35 lbs.	Melon, Musk—1 oz. to 100 hills.....	2 lbs.
Pole—1 lb. to 200 hill.....	25 lbs.	Water—1 oz. to 25 hills.....	2 lbs.
Field—1 lb. to 200 ft. drill.....	35 to 45 lbs.	Okra—1 oz. to 100 ft. drill.....	5 lbs.
Lima—1 lb. to 75 hills.....	35 lbs.	Onion Seed—1 oz. to 150 ft. drill.....	3 lbs.
Beet, Table—1 oz. to 60 ft. drill.....	6 lbs.	For Sets.....	50 lbs.
Mangel—1 oz. to 75 ft. drill.....	5 lbs.	Onion Sets—1 lb. to 35 ft. drill.....	200 lbs.
Broccoli—1 oz. to 3,000 plants.....	3 ozs.	Parsnips—1 oz. to 200 ft. drill.....	3 lbs.
Brussels Sprouts—1 oz. to 3,000 P.....	3 ozs.	Parsley—1 oz. to 350 ft. drill.....	2 lbs.
Cabbage—1 oz. to 3,000 plants.....	4 ozs.	Peas, Dwarf—1 lb. to 125 ft. drill.....	75 lbs.
Carrot—1 oz. to 150 ft. drill.....	2½ lbs.	Tall—1 lb. to 150 ft. drill.....	60 lbs.
Cauliflower—1 oz. to 4,000 plants.....	3 ozs.	Pepper—1 oz. to 2,000 plants.....	4 ozs.
Celery—1 oz. to 5,000 plants.....	4 ozs.	Potatoes—(15 lbs. to 100-ft. row) 800 to 1000 lbs.	
Chicory—1 oz. to 100 ft. drill.....	4 lbs.	Pumpkin—1 oz. to 25 hills.....	3 to 4 lbs.
Corn, Sweet—1 lb. to 150 ft. drill.....	15 lbs.	Radish—1 oz. to 100 ft. drill.....	10 lbs.
Sweet—1 lb. to 160 hills.....	12 lbs.	Rutabaga—1 oz. to 250 ft. drill.....	1 to 2 lbs.
Corn Salad—1 oz. to 50 ft. drill.....	5 lbs.	Salsify—1 oz. to 100 ft. drill.....	8 lbs.
Cucumber—1 oz. to 100 hills.....	2 lbs.	Spinach—1 oz. to 100 ft. drill.....	8 lbs.
Endive—1 oz. to 300 ft. drill.....	2 lbs.	Squash, Summer—1 oz. to 30 hills.....	3 lbs.
Horseradish Roots.....	10 to 15 M.	Winter—1 oz. to 25 hills.....	3 lbs.
Kale, Table—1 oz. to 3,000 plants.....	1 lb.	Tomatoes—1 oz. to 3,000 plants.....	2 to 3 ozs.
Stock—1 oz. to 300 ft. drill.....	1 to 2 lbs.	Tobacco—1 oz. to 4,000 plants.....	
Kohl-Rabi—1 oz. to 300 ft. drill.....	2 lbs.	Turnips—1 oz. to 250 ft. drill.....	1 to 2 lbs.

## Field, Farm, Grass and Clover Seeds

	Quantity per Acre		Quantity per Acre
Alfalfa.....	12 to 15 lbs.	Rye Grass—for pasture.....	20 to 30 lbs.
Artichokes.....	400 to 600 lbs.	Rye Grass—for Lawn.....	100 lbs.
Barley—(drills 75 lbs.).....	broadcast 100 lbs.	Sudan—drills.....	3 to 5 lbs.
Buckwheat—(drills 35 lbs).....	broadcast 50 lbs.	Broadcast.....	16 to 20 lbs.
Cheat.....	75 to 100 lbs.	Kaffir Corn—drills.....	6 to 10 lbs.
Clover—Alsike and White.....	6 to 8 lbs.	Millet.....	20 to 30 lbs.
White for lawn.....	1 lb. to 20 ft. square	Oats—for Seed.....	75 to 100 lbs.
Crimson.....	15 to 20 lbs.	For Hay.....	100 lbs.
Red.....	10 to 12 lbs.	Potatoes—(60 lbs. per bushel).....	15 to 18 bu.
Sweet.....	15 to 20 lbs.	Peas, Field—100 lbs. or 80 lbs. with 35 lbs. Oats	
Corn, Field—Hills.....	10 to 12 lbs.	Rape—(drills 3 lbs.).....	broadcast 5 lbs.
For Fodder, drills.....	50 lbs.	Rye—for Grain.....	60 to 75 lbs.
Flax.....	35 to 45 lbs.	For turning under.....	100 lbs.
Grass, Kentucky Blue—Pasture.....	20 to 30 lbs.	Speltz or Emmer.....	80 lbs.
Kentucky Blue—for Lawns.....	1 lb. to 15 ft. sq.	Sugar Cane.....	10 to 12 lbs.
Mixed Lawn.....	1 lb. to 15 ft. sq.	Sunflower.....	5 to 7 lbs.
Red Top—Hulled, Solid Seed.....	8 to 10 lbs.	Timothy.....	10 to 12 lbs.
Orchard.....	25 to 30 lbs.	Vetches.....	80 lbs. or 60 lbs. with 40 lbs. Oats
Brome Grass.....	20 to 30 lbs.	Vetch, Hairy or Sand.....	30 lbs.
		Wheat.....	90 to 120 lbs.

## Suitable Distance for Planting Trees and Plants

Note.—Depending on method of cultivation. In planting in the home garden for hand cultivation you can set plants or trees closer.

Apples, Standard.....	25 to 35 feet	Strawberries, in Hills.....	2 by 3 feet
Apples, Dwarf.....	10 to 12 feet	Strawberries, Matted Rows.....	2½ by 4 feet
Pears, Standard.....	20 to 25 feet	Asparagus, in Beds.....	1 by 1½ feet
Pears, Dwarf.....	10 feet	Asparagus, in Field.....	1 by 4 feet
Peaches and Apricots.....	18 to 22 feet	Rhubarb.....	3 by 6 feet
Cherries, Sweet.....	30 to 35 feet		
Cherries, Sour.....	18 to 22 feet	Logans and Cory Blackberries—	
Plums and Prunes.....	20 to 25 feet	Rows.....	6 to 9 ft. apart
Quinces.....	15 to 18 feet	Plants in the row.....	6 to 10 ft. apart
Walnuts.....	40 to 50 feet		
Currants.....	3 by 6 feet	Grapes—	
Gooseberries.....	4 by 6 feet	Rows.....	6 to 9 ft. apart
Raspberries.....	3 by 6 feet	Plants in the row.....	6 to 10 ft. apart

## Number of Trees or Plants On An Acre

1 by 2 feet.....	21,780	3 by 5 feet.....	2,904	12 by 12 feet.....	302
1 by 3 feet.....	14,520	3 by 6 feet.....	2,420	15 by 15 feet.....	193
1 by 4 feet.....	10,890	4 by 4 feet.....	2,722	16 by 16 feet.....	170
1½ by 2 feet.....	14,520	4 by 6 feet.....	1,815	18 by 18 feet.....	135
1½ by 3 feet.....	9,680	6 by 8 feet.....	907	20 by 20 feet.....	109
2 by 3 feet.....	7,260	6 by 6 feet.....	1,210	25 by 25 feet.....	70
2 by 4 feet.....	5,445	8 by 8 feet.....	680	30 by 30 feet.....	48
3 by 4 feet.....	3,630	10 by 10 feet.....	480	40 by 40 feet.....	27

RULE.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (48,660), will give the number of plants to the acre.

Our Motto  
HIGHEST QUALITY



*New Gladioli*  
"BENGAL  
TIGER"

**Routledge  
Seed & Floral Co.**

PORTLAND, ORE.